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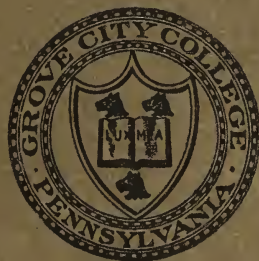
NUMBER 11

# Grove City College BULLETIN

CATALOGUE EDITION

JANUARY 1919

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GROVE CITY COLLEGE  
GROVE CITY, PA.

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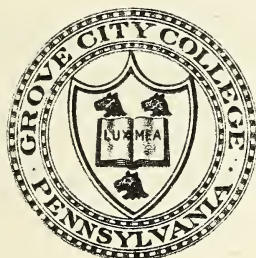


*Forty-Third Year*  
*Grove City College*

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*Catalogue for 1918-1919*

*With Calendar and Courses of  
Study for the Year 1918-1919*



*Grove City*

*Pennsylvania*

For Information and Catalogues

Write the Registrar

HAROLD O. WHITE,

Grove City, Pennsylvania



## CALENDAR

### 1918

October 1, Tuesday	Registration of students.
October 2, Wednesday	Recitations begin 7:40 A. M.
December 16 to December 21	Final Examinations.

### 1919

January 1, Wednesday	Registration of students for Winter Term.
January 2, Thursday	Recitations begin 7:40 A. M.
March 17 to March 22	Final Examinations.
March 25, Tuesday	Registration of students for Spring Term.
March 26, Wednesday	Recitations begin 7:40 A. M.
June 2 to June 7.	Final Examinations.
June 8, Sunday	} Exercises of Commencement Week.
June 9, Monday	
June 10, Tuesday	
June 11, Wednesday	
June 23, Monday	Registration of students for Collegiate Summer Term.
June 24, Tuesday	Recitations begin 7:40 A. M.
June 30, Monday	Registration of students for Pedagogy Term.
July 1, Tuesday	Pedagogy Term classes begin 7:40 A. M.
August 7, Thursday, and August 8, Friday	State Permanent Examinations.
August 8 to August 17	Bible School.
August 20 to August 23	Final Examinations for the Collegiate Term.
September 29, Monday	Registration of students for the Fall Term.
September 30, Tuesday	Recitations begin 7:40 A. M.

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### Class 1 (Term expires 1920)

When first elected.	Residence
1906 WM. V. YOUNG.....	Grove City
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\* Deceased

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\* Deceased

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Professor of Romance Languages

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Professor of Greek

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Assistant in Latin and Greek

\* Absent on leave.

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SAMUEL GRANT OLIPHANT, Ph. D.  
Greek.

WILLIAM G. REAGLE, D. D.  
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REV. H. K. WRIGHT,  
China.

REV. JAMES H. BOYD,  
Egypt.

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A. J. Calderwood, Ph. D.....	Dean of the Faculty
Harold O. White, A. M.....	Registrar
Mrs. Lois Cory-Thompson, B. L.....	Dean of Women
E. C. Myers.....	Bursar
Ina Maye Morrow.....	Secretary to the President
Mrs. Mabel Blair.....	Matron of the Colonial
Mary E. Dunbar, S. B.....	Librarian

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Dr. Oliphant	Dr. Reagle
Dr. Calderwood	Dr. Platt
Dr. Doxsee	Prof. Hatfield
Mr. White	

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Dr. Oliphant	Dr. Platt

#### Library Committee

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Dr. Calderwood	Dr. Tinker
Prof. Harmon	

#### Committee on Student Activities

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Mrs. Thompson	Prof. Harmon
Miss Griffin	Prof. Hoyt

#### Athletic Committee

Prof. Harmon	Miss Lockhart.	Mr. Myers
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#### Committee on the Collegian

Prof. Hoyt	Miss Dunbar	Prof. Walters
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## HISTORICAL SKETCH

As early as 1858 an effort had been made to provide instruction in college preparatory studies at Pine Grove, now Grove City. Rev. Richard M. Thompson, D. D. was the first to give instruction in the higher branches.

In 1864 Rev. Wm. T. Dickson became pastor of the Presbyterian Church of Pine Grove and soon after he and his wife, Mrs. Harriet L. Dickson, undertook to maintain a private school for the young people of the community. This school was held much of the time in their own home, but when the attendance justified a larger room they occupied the Presbyterian Church. They continued this work with but slight interruption for ten years.

In 1874 the school directors of Pine township decided to erect a one-story brick school house containing two rooms for the accommodation of the school children of the Pine District. A movement was started among those interested in higher education to take up a subscription to add a second story to the public school building. This, after much effort, was accomplished and it was in this upper room of the public school house that a select school or academy was started on the 11th day of April 1876. The committee of stockholders of this upper room consisted of Joseph Humphrey, President; James A. Gilmore, Secretary; N. W. VanEman, M. D., O. P. McCoy and James Hunter. This committee rented the room to Isaac C. Ketler of Blacktown, a village four miles west of Pine Grove. Mr. Ketler at his own expense furnished the room with necessary equipment and had, in the March preceding, announced that he would open a school at Pine Grove in this building. Thirteen students reported the first day of the school and twenty-four were enrolled during the entire session. On the 8th of August 1876, the first Fall session of the school was held with an enrollment of about eighty students. Mr. Ketler was assisted by one of his pupils, Samuel R. McClelland, conducting the classes.

In September 1878, a meeting of the citizens was called to consider the propriety of securing real estate on which to



erect an academy building. At this meeting Mr. Robert G. Black presided. In calling the meeting to order he said, "In view of the very great and vital interest which has brought the people together it is proper and wise that Divine guidance and blessing be sought;" the first general meeting of the citizens held in this interest characterized the spirit in which the subsequent work of the institution has ever been conducted.

Wm. A. Young, J. M. Martin, M. D., James P. Locke, James Hunter and Joseph Humphrey were appointed a Finance Committee to provide means for the purchase of grounds and the erection of an academy building. They were directed to apply for a charter of incorporation, that the academy might have a proper legal basis. At the August, 1879, term of the Court of Common Pleas of Mercer County, Pa., a charter of incorporation for the purpose of establishing and maintaining a school in the village of Pine Grove, to be known as The Pine Grove Normal Academy, was granted. The aforesaid Finance Committee, under the charter, constituted the Board of Trustees until the election of their successors, a board of fifteen trustees, on the second monday of January, 1880. The capital stock of the corporation was at first limited to \$25,000 (afterwards increased to \$50,000), and was to be sold in shares of \$10 each. When four hundred shares had been subscribed and twenty per cent of the stock thus subscribed paid in, the charter was to go into effect. Capt. R. C. Craig was appointed to solicit funds. Early in the spring of 1879 the required amount of stock having been sold and twenty per cent of it paid in, the Finance Committee proceeded to purchase ground and erect a suitable building. Four acres of ground were purchased and a building was erected at a cost of about \$10,000. The Academy building was first occupied in December 1879, and from that time on the growth of the institution has been rapid and continuous.

In 1881 the attendance of students had so increased that the demand for larger facilities became imperative. Therefore, in 1882, a building providing additional recitation rooms and other conveniences, (now a part of the Physics Building), was erected. A small dormitory for young women was built by the Rev. W. J. McConkey and rented to the Academy. This was afterwards purchased by the College, enlarged and

improved and converted into a Music Building for the uses of the Music Department.

In November 1882, the name of Pine Grove was dropped for the more pretentious name of Grove City, and the town was incorporated by decree of the Court of Quarter Sessions on the 4th of January 1883. The first election for borough officers was held February 3rd ensuing.

In 1883, the annual attendance at the Academy had increased to fully five hundred students. The work had been mainly the preparing of teachers for teaching and students for college, although in 1881 and 1882 classes were graduated in a scientific course of study and received appropriate diplomas and degrees. Many were anxious to have the advantages of a collegiate classical course of study in this institution. They had become attached to the Academy. The smallness of the expenses made it possible for many boys and girls of very limited means to take such a course of study in this institution. These and other considerations led the Board of Trustees to ask for an amendment to the charter, changing the institution from an academy with restricted powers to a college with all the rights and franchises of the same. The decree authorizing this change was granted on the 21st day of November 1884.

Early in September 1894, the Board of Trustees found that the institution was considerably in debt, and although property had been secured to the amount of one hundred thousand dollars the facilities for the work undertaken were entirely inadequate. It was felt by many that unless help could be secured from the outside about all possible had been accomplished and there were great fears that the institution would ultimately fail to meet its obligations. Up to this time the funds for the building of the College and its maintenance had been secured largely within a radius of four miles of Grove City. President Ketler was instructed to make known the situation to people of means at a distance from the town and to solicit help. The whole situation was thoroughly discussed with Mr. J. N. Pew, then of Pittsburgh, and Mr. S. P. Harbison, of Allegheny, Pa.

On the special advice of Mr. Pew and Mr. Harbison an effort was made to eliminate the stock features of the College so that the institution might be re-incorporated in the class of

eleemosynary institutions. Accordingly on the 3rd day of November 1894, the stockholders of the College met in the College Chapel and without a dissenting voice voted to eliminate the stock features and permit the college charter to be amended so as to place the College in the class of public charities, with a self-perpetuating Board of Trustees. The ballots which were used read as follows: "Grove City, Pa., November 3, 1894. I, the undersigned owner of \_\_\_\_\_ shares of stock in Grove City College, Grove City, Pa., do hereby give, assign, transfer and set over my said stock to said corporation, in order that an amendment to the charter of said corporation may be applied for, to eliminate the stock feature from the charter and place the corporation in the class of public charities. Witness my hand and seal this 3rd day of November, 1894. . . . . (Seal)."

It must forever be to the honor of the community that the desired change was made without one dissenting vote. This is all the more remarkable when it is recalled that there were about two hundred and fifty share-holders of different religious denominations and maintaining different attitudes toward the College. They surrendered their entire property right in the institution, that others, with larger means, might come to the relief of the institution and direct its work. It added to the gravity of the undertaking that it was a serious question whether the change could legally be made if one stock-holder should oppose the change. The fifteen trustees who had previously been chosen by the stockholders became petitioners for the amendments which when granted, changed the entire legal aspect of the College. From a stock corporation in which more than two hundred persons had a property right it became a corporation in the class of public charities and the former fifteen trustees and fifteen others became the legal guardians or trustees of the changed corporation. The final decree making these changes was ordered on the 10th day of December 1894, a little more than ten year after the College charter had been obtained.

The management of the institution up to January 1895, was, by the charter of incorporation, lodged in a board of fifteen trustees chosen from the stockholders and by the stockholders. Five trustees were chosen thus annually to serve for three years. As the stock was held almost exclusively by citizens of the commu-

ity within a radius of four miles of the College, the members of the Board were necessarily local. But to their wise and careful administration is largely due the success of the College. Severely economical where economy could be practiced with safety, generous even to personal sacrifices when the resources of the College were not adequate to its plainly evident needs, investing every dollar of a sadly insufficient income where it would count most for the advancement of the College, in season and out of season they gave the college their time, their money, their consecrated service. Among the men of Grove City who never flagged for the institution were W. A. Young, Thomas W. Dale, R. C. Craig and J. C. Glenn.

On the 2nd of January 1895 the fifteen Trustees who were appointed under the amended charter met in the College to carry out the provisions of the new or amended charter, viz., the election of fifteen additional trustees, who should have a part with them in this trust. They were W. A. Young, T. W. Dale, J. C. Glenn, Rev. W. J. McConkey, D. D., John N. White, Newton Campbell, James Simpson, W. J. McKay, A. M. Craig, Perry F. Say, J. J. McGarvey, Joseph A. McDowell, D. F. Courtney, S. F. Thompson, Esq., and Beriah Magoffin, Esq. They proceeded by ballot to the election of the new members who should join with them in constituting the new Board, and the following gentlemen were unanimously elected: J. N. Pew, A. P. Burchfield, W. J. Young, and the Rev. J. T. Gibson, D. D., of Pittsburgh, Pa.; Rev. Wm. H. McMillan, D. D., Samuel P. Harbison and W. L. Pierce, Esq., of Allegheny, Pa.; Edward O'Neil, of Sewickly, Pa.; Judge Christopher W. Heydrick, of Franklin, Pa.; W. D. Brandon, Esq., and Rev. Wm. E. Oller, of Butler, Pa.; J. T. Blair, of Greenville, Pa.; David Gilson, of London, Pa., and Rev. James B. McClelland, of Grove City, Pa. The gentlemen so chosen were notified of their election as trustees of Grove City College, on Thursday, the 31st day of January 1895, at 2 p. m., was fixed as the time for the organization of the new Board. At this time they met and by lot arranged themselves into three classes of ten members each, one class to serve for one year or until the second annual meeting, the Tuesday before Commencement, 1896; one class to serve two years, or until the annual meeting in June, 1897, and one class to serve for three years, or until the annual



meeting in June, 1898.

The Board was fully organized by the election of the following officers: J. N. Pew, Philadelphia, Pa., President; Rev. Wm. H. McMillan, D. D., Allegheny, Pa., Vice President; J. C. Glenn, Secretary; Wm. A. Young, Treasurer.

At the death of W. A. Young, the Grove City National Bank was made Treasurer. J. N. Pew served as President until his death in October, 1912. At that time F. R. Babcock of Pittsburgh was elected President.

Isaac C. Ketler, the founder, was President until his death on July 2 1913. His successor was Alexander Thomas Ormond, the head of the Department of Philosophy in Princeton University, who held office a little more than two years. President Ormond died on December 18 1915. Weir C. Ketler, the Assistant to the President, was elected President June 13 1916.

During the forty years of its existence there has been constant development in the number, equipment and scholarship of the Faculty of the College. The ideal has always been that Christian training must be a large part of a true education. The college courses stand for sound and liberal culture, vital religion and practical efficiency and are animated by the spirit of service to God and humanity.

The progress of the College since the reorganization in 1895 has been rapid. The property value was estimated at \$100,000 when the new board took control. Today the College has a campus of over fifty acres in the center of the town. From two buildings in 1895 the growth has been to nine buildings at present. The College plant is valued at more than \$700,000.

## THE ENTRANCE REQUIREMENTS

The requirement for admission to the Freshman class is fifteen units. A unit is the credit allowed for a subject pursued in daily recitations for the full year of at least 34 weeks. The maximum of four units is allowed for the regularly scheduled work of one year in a high school or other secondary school.

Fifteen units credit is equivalent to a full four-year course in a strong high school. Work of the regular four-year high school course cannot be accepted for advanced standing.

Graduates from a course in a three-year high school are required to complete two full terms of work (30 hours) at the College before being classed as Freshmen. Six hours of the work of these two terms shall be in English. This English requirement is understood to be in addition to the English requirement for the baccalaureate degree.

With the approval of the Committee on Admission and Instruction a student may take examination in certain designated subjects and upon successfully passing the examinations be credited with more than four units per year of high school residence. A request for this privilege is considered only in the case of students who have taken more than the regular work required during the time spent in residence in the high school.

Applicants for entrance to the courses leading to the degree of Bachelor of Arts, or the degree of Bachelor of Literature must present:

- 3 units in English.
- 3 units in Mathematics.
- 4 units in Latin.
- 2 units in Modern Language.
- 1 unit in Chemistry or Physics.
- The remaining 2 units are elective.

Candidates for the course leading to the degree of Bachelor of Science must present:

- 3 units in English.
- 3 units in Mathematics.
- 2 units in Modern Language.
- 1 unit in Biology.



1 unit in Physics.

1 unit in Chemistry.

The remaining 4 units are elective.

It is recommended that the unit in Biology be presented in one branch of Biology, such as Botany or Zoology.

A student who is deficient in any of the work prescribed for admission to one of the college courses may substitute other subjects to make a total of fifteen units, provided he take during his college course such subjects as will make up his deficiency. The following units may be presented:

	Minimum accepted	Maximum allowed
English .....	2 (see note 1)	3 (see note 1)
Mathematics—		
Algebra, elementary .....	1	1
Algebra, intermediate .....	$\frac{1}{2}$	$\frac{1}{2}$
Algebra, advanced .....	$\frac{1}{2}$ (see note 2)	$\frac{1}{2}$ (see note 2)
Geometry, plane .....	1	1
Geometry, solid .....	$\frac{1}{2}$	$\frac{1}{2}$
Trigonometry, plane .....	$\frac{1}{2}$ (see note 3)	$\frac{1}{2}$ (see note 3)
Foreign Language, total .....		8
Foreign Language, any one .....	1 (see note 4)	4
History total.....		4
History, General .....	$\frac{1}{2}$	1
History, Ancient .....	$\frac{1}{2}$	1
History, Mediaeval .....	$\frac{1}{2}$	1
History, Adv. American .....	$\frac{1}{2}$	1
History, English .....	$\frac{1}{2}$	1
Science, total .....		4
Astronomy .....	$\frac{1}{2}$	$\frac{1}{2}$
Agriculture .....	$\frac{1}{2}$	$\frac{1}{2}$
Biology .....	$\frac{1}{2}$	1
Botany .....	$\frac{1}{2}$	1
Chemistry .....	1	1
Physics .....	1	1
Physiography .....	$\frac{1}{2}$	1
Physical Geography .....	$\frac{1}{2}$	1
Physiology, advanced .....	$\frac{1}{2}$	$\frac{1}{2}$
Zoology .....	$\frac{1}{2}$	1

Note 1—As the first English work in the high school course is largely grammar, the credit granted in English is one unit less than the number of years of work in this subject.

Note 2—A student presenting Advanced Algebra ( $\frac{1}{2}$  unit) is required to elect during his course, College Algebra II.

Note 3—A student presenting Plane Trigonometry ( $\frac{1}{2}$  unit) is

required to elect during his course, Spherical Trigonometry or Surveying.

Note 4—A student presenting but one unit in any foreign language is required to elect during his course the second year's work in that language.

The units are to be chosen from the following:

**ENGLISH.** Grammar, Composition and Rhetoric, one unit; Literature, one unit; the third either Advanced Composition or Literature. Every applicant for admission to any of the regular college courses will be subject to a test in English Composition. He will be asked to write a brief essay on some familiar subject. In judging this essay special stress will be placed upon such elementary matters as spelling, capitalization, punctuation, grammar, the proper division of thought into sentences and paragraphs, orderly arrangement and clear expression of ideas. The amount of work in rhetoric required of a student will be determined by this test.

**MATHEMATICS.** Elementary Algebra, one unit; Plane Geometry, one unit; Intermediate Algebra, Solid Geometry, Advanced Algebra, Plane Trigonometry, each  $\frac{1}{2}$  unit.

**LATIN.** Elementary Latin, one unit; Caesar, four books, one unit; Cicero, six orations and composition, one unit; Vergil, six books, one unit. In Cicero and Vergil for less work than above stated  $\frac{1}{2}$  unit each may be allowed.

**GREEK.** Elementary Greek, one unit; Anabasis, four books and composition, one unit; Homer, three books,  $\frac{1}{2}$  unit.

**FRENCH.** Elementary French (grammar, conversation and reading of easy texts), one unit; composition and translation (Le Chateau d'If, La Tulipe Noire, and Mlle, de la Seigliere, or equivalent), one unit.

**SPANISH.** Elementary Spanish (grammar, conversation and reading), one unit; composition and translation (El Pajaro Verde, Cuentos Castellanos, El Capitan Veneno) or the equivalent, one unit.

**GERMAN.** Elementary German, (grammar, conversation and reading of easy texts), one unit; composition and translation (Wilhelm Tell and Immensee or equivalent), one unit.

**HISTORY.** General, or Greek and Roman,  $\frac{1}{2}$  unit; Mediaeval and Modern,  $\frac{1}{2}$  unit; English,  $\frac{1}{2}$  unit; Advanced American,  $\frac{1}{2}$  unit. In each of these courses, more extended and thorough work may be accepted for a full unit.

**PHYSICS.** Carhart and Chute, Hoadley, or equivalent, with laboratory.

**CHEMISTRY.** "First Principles of Chemistry," Brownlee, or equivalent, with laboratory.

**ASTRONOMY, BIOLOGY, BOTANY, PHYSICAL GEOGRAPHY, ADVANCED PHYSIOLOGY, ZOOLOGY,** each  $\frac{1}{2}$  unit. Exceptionally

thorough and extended work in any of these subjects may be accepted as a full unit.

A student presenting a science with laboratory will be asked to present a certified laboratory notebook.

A student unable to carry work in a department to which his accepted units admit him, loses credit in all units up to the work he can carry.

Certificates must state clearly the following points:

1. The number of years at the institution.
2. The fact of graduation, if a graduate.
3. The subjects studied each year.
4. The textbook used in each subject.
5. The number of weeks devoted to each subject.
6. The number of periods per week for each subject.
7. The length of the period.
8. The grade received in each subject.

Blank forms will be furnished on application to the Registrar.

Students who have passed satisfactory examinations in the subjects required for entrance, are admitted as Freshmen.

A student who has had preparation in a subject but is unable to present a certificate showing the same will be asked to take examination in the subject and upon successfully passing this examination will be credited with the subject. In lieu of examination, the Committee on Admission and Instruction may require the applicant to take advanced courses in the same subject.

## THE COLLEGE COURSES

The courses leading to the degrees of Bachelor of Arts, Science, and Literature require 180 hours work beyond that necessary for entrance to the Freshman class. This means four years work of 45 hours per year, or 15 hours per term.

### REQUIREMENTS IN HOURS FOR THE DEGREES

	A. B.	Litt. B.	B. S.
English Language .....	9	9	9
English Literature .....	9	9	9
Latin .....	18	18	
Greek .....	30		
Modern Language .....	9	27	9*
Mathematics .....	12	12	21
Physics .....	12	12	21
Chemistry .....			21
Biology .....			12
Bible .....	12	12	12
Psychology .....	6	6	6
Logic .....	3	3	3
Economics or American ....			
History .....	9	9	9
Elective .....	51	63	48
	<hr/>	<hr/>	<hr/>
	180	180	180

Candidates for the degree of Bachelor of Literature may, with the consent of the Faculty, substitute for the twenty-seven hours in one modern language, nine hours of collegiate grade in each of two modern languages. By collegiate grade is understood German 15, 16 17; French 15, 16, 17; or Spanish 15, 16, 17.

Candidates for the degree of Bachelor of Literature may, with the consent of the Faculty, substitute for the eighteen hours of collegiate Latin, eighteen hours of another language of collegiate grade. All candidates for the degree of Bachelor of Literature must offer work in two languages for the degree.

\* One year's work of College Latin or Greek will be accepted in lieu of Modern Language.

Candidates for the degree of Bachelor of Science may present twelve hours of Chemistry, twenty-one of Physics and twenty-one of Biology; or twenty-one of Chemistry, twelve of Physics and twenty-one of Biology, instead of twenty-one of Chemistry, twenty-one of Physics and twelve of Biology.

Students completing their work at the end of the Summer Term are graduated and receive their degrees at that time. Students completing their work at the end of the Fall or Winter Term are graduated and receive their degrees in person at the following Commencement.

## Plan of Course for the Degree of Bachelor of Arts

### FRESHMAN YEAR

#### First Term

\*English 11 and Oratory 11, 3 hours.  
Greek 11, 5 hours.  
Latin 11, 3 hours.  
Mathematics 11, 4 hrs.

#### Second Term

English 12 and Oratory 12, 3 hours.  
Latin 12, 3 hours.  
Greek 12, 5 hours.  
Mathematics 12, 4 hrs.

#### Third Term

English 13 and Oratory 13, 3 hours.  
Latin 13, 3 hours.  
Greek 13, 5 hours.  
\*\*Mathematics 13, 4 hrs.

### SOPHOMORE YEAR

Latin 21, 3 hours.  
Greek 21, 5 hours.  
Physics 21, 4 hours.  
Bible, 3 hours.

Latin 22, 3 hours.  
Greek 22, 5 hours.  
Physics 22, 4 hours.  
Bible, 3 hours.

Latin 23, 3 hours.  
Greek 23, 5 hours.  
Physics, 23, 4 hours.  
Bible, 3 hours.

### JUNIOR YEAR

Modern Language (Course 15), 3 hours.  
English 31, 3 hours.  
Psychology 31, 3 hrs.  
Bible 31, 3 hours.  
Elective, 3 hours.

Modern Language (Course 16), 3 hours.  
English 32, 3 hours.  
Psychology 32, 3 hrs.  
Elective, 6 hours.

Modern Language (Course 17), 3 hours.  
English 33, 3 hours.  
Philosophy 33, 3 hrs.  
(Logic)  
Elective, 6 hours.

### SENIOR YEAR

Economics 31 or History 41, 3 hours.  
Elective, 12 hours.

Economics 32 or History 42, 3 hours.  
Elective, 12 hours.

Economics 33 or History 43, 3 hours.  
Elective, 12 hours.

\* "English 11" "Oratory 11" etc., are titles of prescribed courses. The description of these courses will be found under the various departments.

\*\* Mathematics 21 (Analytic Geometry), Mathematics 23 (Advanced Trigonometry), or Mathematics 31 (Surveying), may be substituted for Mathematics 13 (College Algebra, second term).

Candidates for Departmental Honors are excused from the prescribed junior work in Language and Bible.

## Plan of Course for the Degree of Bachelor of Literature

### FRESHMAN YEAR

#### First Term

\*English 11 and Oratory 11, 3 hours.

#### Second Term

English 12 and Oratory 12, 3 hours.

#### Third Term

English 13 and Oratory 13, 3 hours.



Modern Language, 3 hours.  
(Course 15)  
Latin 11, 3 hours.  
Mathematics 11, 4 hrs.  
Bible 21, 2 hours.

Modern Language, 3 hours.  
(Course 16)  
Latin 12, 3 hours.  
Mathematics 12, 4 hrs.-  
Bible 22, 2 hours.

Modern Language, 3 hours.  
(Course 17)  
Latin 13, 3 hours.  
\*\*Mathematics 13, 3 hrs.  
Bible 23, 2 hours.

#### SOPHOMORE YEAR

Latin 21, 3 hours.  
Modern Language, 3 hours.  
Physics 21, 4 hours.  
Psychology 31, 3 hrs.  
Elective, 2 hours.

Latin 22, 3 hours.  
Modern Language, 3 hours.  
Physics 22, 4 hours.  
Psychology 32, 3 hrs.  
Elective, 2 hours.

Latin 23, 3 hours.  
Modern Language, 3 hours.  
Physics 23, 4 hours.  
Bible, 3 hours.  
Elective, 2 hours.

#### JUNIOR YEAR

Modern Language, 3 hours.  
Bible, 3 hours.  
English 31, 3 hours.  
Elective, 6 hours.

Modern Language, 3 hours.  
English 32, 3 hours.  
Elective, 9 hours.

Modern Language, 3 hours.  
English 33, 3 hours.  
Philosophy 33, 3 hours.  
Elective, 6 hours.

#### SENIOR YEAR

Economics 31 or  
History 41, 3 hours.  
Elective, 12 hours.

Economics 32 or  
History 42, 3 hours.  
Elective, 12 hours.

Economics 33 or  
History 43, 3 hours.  
Elective, 12 hours.

\* and \*\* (Footnotes as on page 11).

Candidates for Departmental Honors are excused from the prescribed junior work in English, Modern Language and Bible.

### Plan of Course for the Degree of Bachelor of Science

#### FRESHMAN YEAR

##### First Term

\*English 11, and Oratory 11, 3 hours.  
Language, 3 hours.  
Chemistry 11, 5 hrs.  
Mathematics 11, 4 hrs.  
Bible 21, 2 hours.

##### Second Term

English 12 and Oratory 12, 3 hours.  
Language, 3 hours.  
Chemistry 12, 5 hours.  
Mathematics 12, 4 hrs.  
Bible 22, 2 hours.

##### Third Term

English 13 and Oratory 13, 3 hours.  
Language, 3 hours.  
Chemistry 13, 5 hours.  
\*\*Mathematics 13, 4 hrs.  
Bible 23, 2 hours.

#### SOPHOMORE YEAR

Mathematics, 3 hrs.  
Chemistry, 3 hours.  
Physics 21, 4 hours.  
Psychology 31, 3 hrs.  
Elective, 2 hours.

Mathematics, 3 hrs.  
Chemistry, 3 hours.  
Physics 22, 4 hours.  
Psychology 32, 3 hrs.  
Elective, 2 hours.

Mathematics, 3 hours.  
Chemistry, 3 hours.  
Physics 23, 4 hours.  
Bible, 3 hours.  
Elective, 2 hours.

#### JUNIOR YEAR

English 31, 3 hours.  
Physics 31, 3 hours.  
Biology, 4 hours.  
Bible, 3 hours.  
Elective, 2 hours.

English 32, 3 hours.  
Physics 32, 3 hours.  
Biology, 4 hours.  
Elective, 5 hours.

English 33, 3 hours.  
Physics 33, 3 hours.  
Biology, 4 hours.  
Philosophy 33, 3 hrs.  
Elective, 2 hours.

#### SENIOR YEAR

Economics 31 or  
History 41, 3 hours.  
Elective, 12 hours.

Economics 32 or  
History 42, 3 hours.  
Elective, 12 hours.

Economics 33 or  
History 43, 3 hours.  
Elective, 12 hours.

\* and \*\* (Footnotes as on page 11).

Candidates for Departmental Honors are excused from the prescribed work in English, Bible and Sciences.



## Bachelor of Science in Chemical Engineering

In the past ten years there has been a very marked growth in the application of scientific thought to the commercial and industrial life of the Nation. This application has been much intensified under the stress of war conditions. In no other line of science has this development been more rapid than in the field of Chemistry. The College has arranged the following course leading to the degree of Bachelor of Science in Chemical Engineering with the view of equipping the graduates to take leading positions in the industrial applications of chemistry. The advantage of taking such specialized work in the cultural atmosphere of a college rather than in the intensely practical atmosphere of a technical school cannot be overestimated.

### Plan of Chemical Engineering Course

#### FRESHMAN YEAR

First Term	Second Term	Third Term
General Chemistry, 5 hours.	General Chemistry, 5 hours.	General Chemistry, 5 hours.
General Physics, 4 hrs.	General Physics, 4 hrs.	General Physics, 5 hrs.
Math. 11, 4 hrs.	Math. 12, 4 hours.	Mechanical Drawing, 4 hours.
Language, 3 hrs.	Language, 3 hours.	Language, 3 hours.

#### SOPHOMORE YEAR

Qualitative Analysis, 5 hours.	Quantitative Analysis, 5 hours.	Quantitative Analysis, 5 hours.
Analytical Geometry, 3 hrs.	Differential Calculus, 3 hours.	Integral Calculus, 3 hours.
Geology, 5 hours.	Organic Chemistry, 5 hours.	Organic Chemistry, 5 hours.
Freshman English, 3 hours.	Freshman English, 3 hours.	Freshman English, 3 hours.

#### JUNIOR YEAR

Advanced Mechanics, 3 hours.	Advanced Heat, 3 hrs.	Advanced Electricity, 3 hours.
Physical Chemistry, 4 hours.	Physical Chemistry, 4 hours.	Physical Chemistry, 4 hours.
Industrial Chemistry, 3 hours.	Industrial Chemistry, 3 hours.	Industrial Chemistry, 3 hours.
Bible, 3 hours.	Bible, 3 hours.	Bible, 3 hours.
Psychology, 3 hours.	Psychology, 3 hours.	Logic, 3 hours.

#### SENIOR YEAR

Food Chemistry and Organic Analysis, 5 hours.	Food Chemistry and Organic Analysis, 4 hours.	Food Chemistry and Organic Analysis, 5 hours.
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Adv. Phys. Lab. 2 hrs.	Adv. Phys. Lab., 2 hrs.	Eng. Lit., 3 hours.
Eng. Lit., 3 hours.	Eng. Lit., 3 hours.	Research, 5 hours.
Research, 5 hours.	Research, 3 hours.	
Bible, 3 hours.		

## Pre-Medical Requirements

For those intending to enter Medical Schools, the College offers opportunities for receiving instruction to meet the requirements of the best schools, and the strongest state boards of control of medical certification. The state board of Pennsylvania and of many other states require one year's credit in work of collegiate grade in each of the three sciences, biology, chemistry, and physics. At least two recitations and two laboratory periods a week are required in each of the sciences. The Medical Colleges in Pennsylvania require in addition to the above work in the sciences, english, psychology, modern language, and advanced chemistry sufficient to make a total of two years college work. All medical school requirements are met by the two year course outlined in the following plan.

### First Year

Chemistry 11, (5); 12, (5); 13, (5)  
 Biol. 11, (5); 16, (5); 17, (5).  
 English 11, (3); 12, (3); 13, (3).  
 Oratory 11; 12; 13.  
 Math. 11, (4); 12, (4); 13, (4).

### Second Year

Modern Language (3); (3); (3).  
 Chemistry 21, (5); 42, (5); 43, (5).  
 Physics 21B, (5); 22B, (5); 23B (5)  
 Psychology 31; (3); 32, (3);  
 Philosophy 33, (3).

### GRADE VALUES

The grade values used in rating the quality of work are: A, 95 to 100 per cent.; B, 90 to 95 per cent.; C, 80 to 90 per cent.; D, 70 to 80 per cent.; E, 50 to 70 per cent., conditioned; F, below 50 per cent., failure; P, passed without rank. "A" and "B" are considered honor grades. Failure to take the final examination at the end of a course or, in any other way, to complete the work of a course causes that course to be graded "E." In a course requiring laboratory practice, uncompleted laboratory work or unapproved laboratory reports cause that course to be graded "E."

A student who receives a condition, "E," in a subject has the opportunity of taking a special examination in this subject during his next succeeding term in college and on passing such special examination is graded "P" (passed). These special examinations are held according to a schedule published during the first week of the term. If the condition is not removed at

the end of such next succeeding term, the mark of condition "E" is considered as a mark of failure, "F".

All "E" and "F" grades in a student's record must be removed by special examinations or repetition of courses before a degree is conferred upon the student. A student whose record shows continued unsatisfactory work may at any time be dropped from the rolls of the College.

### STUDENT PROGRAMS

The regular program of work requires fifteen hours a term, and, in general, a student in the regular courses is not permitted to take a schedule of more than 15 hours.

A student two-thirds of whose credits for each of two successive terms have been of honor grade is entitled to a schedule of 16, 17 or 18 hours credit. Failure to maintain the proportion of two-thirds honor grades for a schedule of 16, 17 or 18 hours makes it necessary for the student to return to the fifteen hour schedule. "E" or "F" grade causes the term in which such grade is received to be excluded from consideration for schedules beyond fifteen hours.

If a student has for two successive terms carried a schedule of 17 or 18 hours with all honor grades, he may apply to the Registrar for the privilege of taking 19 or 20 hours. Twenty-hours is the limit of credit allowed for a term. If a student taking 19 or 20 hours falls below honor grade in more than one-third of his work for that term he must return to the fifteen hour schedule; if he falls below honor grade in any work which is less than one-third of his schedule, he may be required to return to the fifteen hour schedule, but must return to the eighteen hour schedule. "E" or "F" grade causes the term in which such grade is received to be excluded from consideration for schedules beyond fifteen hours.

### ADVANCED STANDING

A student who applies for advanced standing in this college on the basis of credits from another college may receive credit on a college course up to fifteen (15) hours a term or forty-five (45) hours a year. If during his next two terms at Grove City College he has done work of a grade entitling him under the rules to an increment of schedule hours, the Committee on Admis-

sion may, at its option, grant him a corresponding increment of credit for work done at the college from which he came; the credit granted for the work at the other college in no case exceeds twenty (20) hours a term, or sixty (60) hours a year. Each semester hour at a college is considered as one and one-half ( $1\frac{1}{2}$ ) term hours. Blank forms for certification of collegiate work done at another institution may be obtained from the Registrar.

### GENERAL HONORS

On graduation the students whose work meets the requirements stated in the following paragraphs are granted their degrees with honors.

A student whose grades average from 93% to 96% is eligible to honors on graduation and, unless the Faculty rules otherwise, receives the honor "cum laude".

A student whose grades average from 96% to 97.5% is recommended to the Faculty for the honor "magna cum laude."

A student whose grades average 97.5% may be recommended to the Faculty for the honor "summa cum laude."

In reckoning these values, A equals 97.5, B equals 92.5, C equals 85., D equals 75., P equals 70.

### DEPARTMENTAL HONORS

A student who has completed two full years of college work and has maintained an honor standing in at least four-fifths of his studies, may at the beginning of his third (junior) year select a department in which he has not fallen below honor grade, in which department he shall do two-fifths of his work in his third (junior) year and three-fifths in his fourth (senior) year. The remainder of his studies shall be taken outside of the department that he has chosen and are free electives subject only to the requirements of the general course of study.

During the fourth (senior) year, it is at the discretion of the instructor or instructors to conduct seminars in the chosen department and to substitute research work and thesis for the regular class room exercises and examinations.

A candidate for departmental honors who falls below honor grade in the studies of his chosen department at the end of any term, is required to give up the course for special honors and to resume the regular course of study.

A student who has successfully completed the studies of his



chosen department and has maintained honor standing in them and who has not fallen below "C" in non-departmental studies receives special honors in his department and has the same indicated upon his diploma.

An honor student is required to elect a major and a minor within his chosen department, the major to include three-fifths of the honor work of the last two (junior and senior) years.

It is understood that where two or more professors are assigned to a single department the one whose subject is the major in any given case is considered the head of the department for that student.

The following departments are open to students entitled to elect courses to departmental honors:

The Department of Philosophy and Education, in which either Philosophy or Education may be either a major or a minor.

The Department of History, Economics and Politics, in which either History or Economics and Politics combined may be either a major or a minor.

The Department of English including English Literature as a major and either Composition and Oratory or English Bible as a minor.

The Department of Classical Languages including Latin and Greek, either of which may be a major or a minor. Archaeology and Sanskrit are included in this department as elective but non-honor subjects.

The Department of Modern Languages, including French, Spanish and German, one of which may be a major or a minor. Italian and Romance Philology are included in this department as elective but non-honor subjects.

The Department of the Sciences and Mathematics, including Chemistry, Physics, Biology, and Mathematics, of which any two constitute a department for the student electing them; the other two are considered extra-departmental. Agriculture, Astronomy, Geology, and Mechanical Drawing are included in this department as elective but non-honor subjects.

#### REGULATIONS GOVERNING INTER-COLLEGIATE CONTESTS

Only collegiate students may represent the College on teams of recognized college organizations. Absences incurred by the

student, while representing a recognized college organization, are not counted off his gratuity.

No student, who has failed in more than one subject during his preceding term in college, may represent the institution on collegiate organizations.

No student doing "E" or "F" grade work in more than one subject may represent the college on collegiate organizations.

No student may represent the college on any one recognized college organization more than four years.

The coach in charge of the team shall furnish the Secretary with an authorized list of team men, which list shall be read at the regular meeting of the Faculty preceding the contest.

#### INTER-COLLEGIATE DEBATING

At the opening of the fall term, six students are selected by each of the four literary clubs. This group of students constitutes the debating league, which meets weekly during the term and is under the direction of a professor named by the Committee on Debating, or by the Faculty. The general principles of argumentation and the art of debating are studied until November 1st. After that date the questions submitted by contesting colleges or to be submitted to other colleges are studied. The choice of questions and of sides is determined by the members of this class and the Faculty Committee in conference.

The preliminary debate is open only to members of the Debating League and is held on the first Friday evening of the winter term. At this contest two teams are selected, consisting of three members and an alternate each. The special training of the teams thus chosen is under the direction of the Committee.

All arrangements for intercollegiate debates are in charge of the Faculty Committee. Such debates are held as far as possible, during the last few weeks of the winter term or the first two weeks of the spring term; the selection of judges for such debates at home and abroad, and the entire management of the local debate are in the hands of the Committee and the team concerned.

The work of the Debating League in the fall term counts as a one hour elective course in English.

The work of the teams who represent the college in intercollegiate debates counts as a two hour elective course in English.



## GRADUATE DEGREES

During the summer term, there is a special department of philosophy, offering courses leading to the degree of Master of Arts in philosophy. In addition to the work in this department, the various departments of the College (page 47) offer work leading to the masters' degrees. The requirements for the graduate degrees are stated below. As the work for the graduate students is largely of special character depending on the nature of his aim and previous training there is no mention made of graduate courses in lists of courses in the majority of the departments (page 48 et seq.)

### REQUIREMENTS FOR THE MASTERS DEGREE

The possession of baccalaureate degree (A. B., Litt. B., Ph. B., or B. S.) or what the Matriculation Committee regard as the equivalent, is essential.

Every candidate, when admitted and before entering on the course of study, is required to pay a matriculation fee of \$5.00.

Each candidate for the degree is required to complete three terms work in residence within three calendar years from the date of his matriculation. The regular schedule of work shall be four courses per term to be distributed as follows: three within the department, the fourth outside the chosen department. All courses are to be chosen in consultation with, and with the consent of the Registrar and the Head of the Department in which the student's major work is taken. Any course may be elaborated by assigned reading or research work.

The work of the candidate may not fall below honor rank (A or B). In case the candidate's work falls below this standard the Matriculation Committee, in consultation with the head of the department in which the student is majoring, may assign additional work or may require the student to abandon the course.

A thesis on a subject growing out of the student's main line of study is required. The subject for this thesis is chosen in consultation with the head of the department and must manifest ability to do independent work and to judge the relative values

of various sources of information. The thesis is to be typewritten with black record ribbon, double space, on good quality paper of letter size, 8½x11 inches. There is to be a margin of 1½ inches at the left hand edge and 1 inch on the other three sides. When handed in, the thesis becomes the property of the College. It is to be handed in not later than April 20th of the third year following the student's matriculation. After this has been accepted the student may be asked to present himself for final examination.

When the thesis has been accepted the candidate is required to pay a diploma fee of \$10.00. When all requirements have been met, he is recommended for the Master's Degree which is conferred upon him in person at the following Commencement.

## SUB-FRESHMAN COURSES

Grove City College offers sub-freshman courses in which the branches preparing for college are taught. Owing to the enlarged high school curricula, many graduates of high schools find themselves deficient in some portion of the work necessary for entrance to certain college classes. By taking the sub-freshman work here, the student finds it possible to carry out his plans for a college course without especial hardship.

The young man or young woman who has not had the opportunity of finishing a high school course finds at Grove City College classes suited to his needs.

As the sub-freshman classes are taught by teachers of large experience, the student finds it possible to complete the preparatory work in shorter time than would be required at a high school. Classes in various grades of languages, mathematics, english, and science are taught each of the four sessions. The student in the sub-freshman work is governed by the same regulations as students in full collegiate standing.

## GENERAL INFORMATION

### PREPARATION FOR RELIGIOUS WORK

The number of graduates of the College who have taken up some form of religious work is large. Strong work in the Classics, English, and Philosophy has built a solid foundation for later development. Every year a number of graduates enter the various theological seminaries. The reports from these schools show that the graduates of Grove City College are well trained in habits of thought and study.

### FOUR TERMS PLAN

The Four Terms plan, recommended by the Council of National Defense, has been followed for many years. It makes it possible for the eighteen year old high school graduate to complete his college course by the time he is twenty-one. This plan has been followed by Grove City College for more than twenty-five years. In the summer term the same courses are offered as in the other terms including Music, Fine Arts, and the Secretarial Course. On account of omitting athletics and club activities the quantity and quality of the work accomplished is the equal of any of the other terms. By taking advantage of the summer terms, a student may complete his course in three years.

In addition to the regular collegiate work Grove City College maintains during the summer a special six weeks term especially designed for those engaged in public school work. Courses in all the common branches and in the advanced subjects required for the State Permanent Certificate are offered. In addition, the opportunity is given to take special courses in Pedagogy, Play Ground Work, School Methods, School Art, and School Music. Specialists in the various subjects taught are obtained as instructors in each department. As a result of the high character of work and instruction, the Grove City Summer School for Teachers has become one of the largest in the state.

### BIBLE SCHOOL

Early in August the Grove City Bible School holds its session. The morning is confined to lectures on various topics

of special interest to Clergymen. The afternoon is devoted to the work of the Mission School which is of great interest to all those in any way connected with religious work. The evening is devoted to preaching services.

The following appeared on the program for 1918: Dr. J. Wilbur Chapman, retiring Moderator of the Presbyterian Church; Reverend John McNaugher, D. D., President of the Pittsburgh Theological Seminary; Rev. Francis L. Patton, D. D., of Princeton Theological Seminary; Professor Charles Erdman, of Princeton Theological Seminary; Professor Henry E. Dosker of the Louisville Theological Seminary; Mr. Ralph C. Norton, head of the Allied Soldiers Evangelistic Campaign; Reverend Roland H. Evans of Africa; Reverend James G. Holderoft, of Korea; Reverend H. K. Wright, of China; Reverend James H. Boyd, of Egypt; and Professor George L. Sleeth, of Pittsburgh.

#### PREPARATION FOR TEACHING

The graduate of a college is eligible to receive a provisional college certificate from the Department of Public Instruction of Pennsylvania, if during his college course he has completed two hundred recitation hours' work in educational subjects. This requirement is covered by a credit of seventeen hours. The educational subjects include psychology, ethics, logic, history of education, school management, and methods of teaching. As six hours of psychology and three hours of logic are required of all candidates for degrees, many have availed themselves of the work offered in Education to complete the requirement for teachers' certificates. After teaching successfully for three years, the holder of a provisional college certificate is eligible to receive the permanent college certificate.

#### WORK PRELIMINARY TO ENGINEERING

If a young man, after graduating from high school, has spent two years in the cultural, humanitarian atmosphere of a college of liberal arts, he has received a fundamental training in the best things which enables him to grasp more quickly and to use better a later training in applied science. The student who is well grounded in pure science can with little effort develop in the sphere of applied science. He is a better engineer or doctor for his training in college; in addition to this he is a better



citizen, more in sympathy with his fellow citizens and better able to assist in the solution of economic problems. Grove City College offers thorough work in the fundamentals of mathematics, physics, chemistry, and biology. This fundamental work in these subjects is carried on with the ideal of pure science rather than that of utilitarianism. With two years at college, a young man who has availed himself of the opportunities in science and mathematics can complete a course in an engineering school in three years.

### THE APPEAL OF THE SCIENCES

The prosecution of the War has increased the demand for young people trained in the sciences. Many new positions in industry and the growth of science teaching in our schools have brought many calls for both men and women. During the past year the College has received many requests from the industries and was able to fill only a very small proportion of the positions; the call for high school teachers of science has been many times the available supply of candidates.

There must be a large increase in the number of young women who can teach the sciences. There is the call of the industries for men. The Country needs trained men and women as never before in its history.

These appeals are met by the courses leading to the degrees of Bachelor of Science and of B. S. in Chemical Engineering. The appeal of the industries can be largely met by the work of the first two years of the course in Chemical Engineering.

### ABSENCE REGULATIONS

A total gratuity of as many class absences a term as he has class recitations a week is allowed to each student.

The gratuity in each course a term is equal to the number of recitations in the course a week.

A gratuity of fifteen absences a term from Chapel is allowed to each student. Absence from Sunday Chapel is counted as three on the gratuity for Chapel.

This gratuity is granted the student to cover all absences for any reason whatever.

When a student exceeds his gratuity in any subject, he becomes subject to discipline.



Absences are counted from the first recitation in each course.

Absence from class affects the grade of the student for that course.

The Dean of the Faculty has control of the question of absences; all requests should be made to him at his regular office hours. Permissions for absences hold for one term only and are renewed only by application to the Dean each term. All such requests for optional attendance at Chapel must be made to the Dean within one week of registration in college.

### THE TOWN

Grove City College is located in Grove City, Pennsylvania, a town of about five thousand, on the Bessemer and Lake Erie Railroad. The town is 1300 feet above sea level and is supplied with pure water from artesian wells. The health conditions are excellent. This, together with the beauty of the surroundings and progressive character of the town, gives Grove City advantages possessed by few college towns. Connections are made at Butler with the Buffalo, Rochester & Pittsburgh and the Pennsylvania Railways, at Mercer with the Pennsylvania, and at Osgood with the Lake Shore. There are four daily trains to Pittsburgh and to Erie.

### THE COLLEGE

Grove City College is a non-denominational Christian college. No religious test is required of members of the Board of Trustees, Faculty, or student body. The College emphasizes Christian character, and from it there go out many young men and women to enter the gospel ministry or engage in other Christian work. More men enter the gospel ministry from this institution than from any other college in Pennsylvania. Each year, in August, a Bible Conference is held under the auspices of the College. This Conference continues ten days, and at it special courses by distinguished scholars and clergymen from both sides of the Atlantic are offered.

College work is begun each day with devotional exercises. Divine services are held each Sabbath morning in the chapel. College prayer-meetings are held regularly during each session.

Grove City College stands for classical education broadened by thorough work in mathematics and the sciences.

### THE ISAAC C. KETLER MEMORIAL FOUNDATION

This Foundation was the natural outgrowth of the feeling that a fitting memorial should be established to the memory of Dr. Isaac C. Ketler, the Founder and First President of Grove City College. This feeling took definite form at the annual meeting of the Alumni Association in June, 1914, when a committee was appointed to consider the matter, and in its report recommended that the Alumni Association raise a fund of Sixty Thousand Dollars to be used as permanent endowment and this be known as the Isaac C. Ketler Memorial Foundation. The report of the committee was unanimously adopted and a permanent committee was appointed. At the Alumni meeting in June, 1916, it was announced that the entire Sixty Thousand Dollars had been subscribed. Mr. F. R. Babcock, President of the Board of Trustees, announced at the same time that the Trustees had raised a like amount to be added to the Foundation, thus making a fund of One Hundred and Twenty Thousand Dollars to be used as a permanent memorial to the founder and builder of Grove City College.

### SAMUEL P. HARBISON CHAIR OF BIBLE

The action creating the Samuel P. Harbison Chair of Bible, was taken at the regular meeting of the Board of Trustees on February 1, 1918. The action represented the unanimous will of the members of the Board and was a voluntary and grateful testimony of their appreciation of the large and vital part played by Mr. Harbison and his Estate in the growth of the College.

Mr. Samuel Pollock Harbison joined the Board of Trustees of Grove City College at the time of its reorganization in 1895. During the remainder of his life he was active in all the counsels of the College and was one of its most generous benefactors. He was a man of rare spiritual insights and his influence on the ideals of the College has been deep and lasting.

The chair is one of the most liberally endowed chairs of its kind in the country. The endowment totals \$55,000. Of this amount, \$45,000 was given by the Harbison Estate and \$10,000 by the College Board of the Presbyterian Church.

### OTHER ENDOWED FUNDS

In addition to the endowed funds mentioned above, the College has general endowment funds totalling over \$85,000.

### SELF HELP

Grove City College has endeavored to offer an education to men and women of moderate means. In the past, an exceptionally large number of students have during their college course earned all or a large portion of their expenses. The College endeavors in every way to assist students desiring self help. Many are given opportunities to wait on tables and to assist in other work around college buildings. The manufacturing and business interests of the town afford a number of places for ambitious men and women who are earning their way through college.

Each year a Silliman prize of \$50.00 is granted to the student who shows unusual promise.

### THE CAMPUS

The campus of about fifty acres is located in the center of the town and is divided into two nearly equal portions by Wolf Creek. On the right bank are the dormitory for men and woodlands. The college buildings are heated with steam and lighted with electricity supplied from a central power plant.

### THE BUILDINGS

The Administration Building, erected in 1888, is a four-story brick building and contains the offices, several recitation rooms, two laboratories for chemistry, two large rooms for use of the commercial school, and clubrooms for the four literary societies.

Recitation Hall, a two-story brick building erected in 1879, contains six recitation rooms, the art studio, and two rooms for biology.

Physics Building, erected 1902, contains a lecture room, several laboratories, and a large room for mechanical draughting. It is well equipped with apparatus for instruction in both general and advanced physics.

Ivy Chapel contains a small auditorium for the use of the

student organizations, a large recitation room, and a rest room for the young women of the college.

Carnegie Library contains, in addition to the library and reading room, a public auditorium with seating capacity for six hundred, in which is a two-manual pipe organ.

Music Hall, erected 1895, is equipped with auditorium, recitation and practice rooms, containing the facilities for carrying on the work of the Conservatory of Music.

The Gymnasium, erected 1912, is a large and modernly equipped building for the general use of the Athletic Department. It is a substantial brick and steel structure, three stories high, 120 feet long and 60 feet wide, and contains in addition to locker rooms, a swimming pool, shower baths, baseball cage, varsity room, and visiting team room on the first floor; reception room, Athletic Director's rooms, office, and kitchen on the second floor and on the third floor, in addition to the running track, a large private room and a number of study rooms for gymnasium caretakers.

The Colonial, Pelton, and Cunningham, the dormitories for young women and Memorial Hall are described in the section for room and boarding.

### HOSPITAL

Largely through the influence of the College, a hospital was established in Grove City, where the sick of the College receive the best attention by trained nurses and under the supervision of a competent superintendent. The hospital building is near the college grounds and is well located. It has all the modern conveniences and appliances and has gained a very enviable reputation for the excellent care given to the patients, and the fine work done by the physicians and surgeons of the hospital staff.

The hospital expenses of students are met through a special fund set apart for this purpose. In every case the hospital expenses for a period not exceeding two weeks (not medical fees) are met by the College.

### STUDENT ORGANIZATIONS

There are four literary societies in the college—Shakespeare and Webster, for young men; Speedwell and Philokalian for



young women. These societies have been in existence from twenty to thirty years, and are composed of the best talent in the student body. Each society has its own club room which is well furnished and equipped. The order of exercises includes orations, debates, music, impromptu speeches, and friendly criticism.

There are healthy, active branches of both Y. M. C. A. and Y. W. C. A. among the students.

#### ROOMS AND BOARDING

The Colonial, Cunningham, and Pelton Halls—the ladies dormitories—are under the immediate control of the Dean of Women, and are designed to provide comfortable and pleasant homes for young women. Students from out of town are required to room and board at the dormitories. The students rooms are arranged, mostly in suites of two with bath room for each suite; there are also some single rooms with bath. Each room is furnished for occupancy by two girls. Each girl furnishes her own towels and bed linen which are laundered by the College. The personal linen of each girl is laundered at her own expense.

Room and boarding at the Colonial for the twelve weeks session is \$99.00 for the term, two girls occupying a room. On the fourth floor the rate is reduced to \$90.00 a term, two girls occupying a room. On the fourth floor, three girls occupying one large room can be accommodated at \$90.00 for the term of twelve weeks. On lower floors where three occupy a room a charge of \$93.00 is made for the term of twelve weeks.

At the Pelton and Cunningham Cottages room and boarding is furnished at \$90.00 a term of twelve weeks, two occupying a room.

Memorial Hall, the dormitory for young men, was erected in 1914, equipped and furnished as a memorial to Joseph Newton Pew, who was for many years the President of the Board of Trustees of Grove City College and who had a very vital part in the development and growth of the institution. The building is located on high ground on the left bank of the creek, overlooks the campus and commands a view of the surrounding country. It is of thoroughly fire-proof construction throughout. The building is divided into five separate houses or entries separated from each other by fire-walls.

There are accommodations for approximately one hundred and ten students. A number of different and very attractive arrangements of rooms has been provided. In the end sections, there are a number of large rooms for two students. Each room has two large wardrobes with shelves and plenty of hooks, and is located near a bath room. Each suite has a large study room with two or three single bedrooms and opens directly into a bathroom.

The furnishings of the building received the special attention of the donors and the result is that in the furniture and equipment the building is believed to have no superior. The furniture is of solid fumed oak and is of the modified mission type. It is substantial and gives one the impression of permanence and elegance. The beds are enameled malleable iron and are fitted with the best grade of springs and mattresses. In each study room there are large desks with drawers for each student, desk chairs, a rocker, a most comfortable and especially designed couch, and, also, what adds much to the appearance of the room, an open fireplace with a mantel.

The prices charged include rentals for room, furniture, with mattresses, pillows and blankets, janitor service, heat and light. Few colleges in the country are so liberal in their provisions. Students should provide bed-linen, towels, and comforts, and care for the same.

Room and boarding at Memorial Hall for the twelve weeks session is \$90.00 to \$99.00 per term. The rate for single rooms on the ground floor is \$90.00, two students in a room. The rate for single rooms on other floors is \$93.00. In the second, third, and fourth sections, suites of three rooms, occupied by two students rent at a rate of \$99.00. In the first section there are suites of four rooms occupied by three students at the rate of \$99.00.

All students not from Grove City will be required to room and board in the College dormitories except when given permission by the proper college authorities.

The general control of Memorial Hall is in the hands of a student committee working under the Advisory Committee of the Faculty. This committee is elected by the students residing at Memorial Hall from among their number and elects one of



its members as House President. The committee has general charge of all questions of order and discipline, though the Faculty reserves the right to veto in their actions.

The necessary expenses a term of 12 weeks for women are:

Tuition .....	\$ 29.00	\$ 29.00
Room and Boarding .....	90.00 to	99.00
Books about .....	5.00	5.00
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Total .....	\$124.00	\$133.00

The necessary expenses for a term of 12 weeks for men are:

Tuition .....	\$ 29.00	\$ 29.00
Room and Boarding .....	90.00 to	99.00
Books, about .....	5.00	5.00
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Total .....	\$124.00	\$133.00

#### TUITION AND EXPENSES

Tuition .....	\$29.00
Special examination in any subject .....	1.00
Mechanical drawing .....	5.00
Surveying .....	3.00
Biology laboratory .....	\$ 2.00 or 3.00
Chemistry laboratory .....	3.00 or 4.00
Physics laboratory .....	\$ 2.00 or 3.00
Typewriting .....	5.00
Board and room at the Colonial, ladies, a term .....	90.00 to 99.00
Board and room at the Pelton or Cunningham, ladies, a term .....	90.00
Board and room at Memorial Hall, men, a term .....	90.00 to 99.00

All tuitions and other college bills are due at the opening of the term; students who have not paid these bills or arranged for their payment, will be excluded from classes after the first week of the term. Laboratory fees must be paid by the end of the third week of the term. Students with unpaid laboratory fees are excluded from classes at the beginning of the fourth week.

No registration or matriculation fee is charged; no entrance fee is charged to college athletic games.

A student leaving college during the first four weeks of the term is refunded one half all tuitions.

No deduction is made for absence the first two weeks or last two weeks of a term for any cause whatever. For absence two consecutive weeks or more on account of the student's personal sickness, one half the board and room charges for the time lost

will be refunded, provided the student's physician in attendance certifies that the illness was of such nature as to render his return to school impossible. The College provides for hospital care of students up to two weeks in any term. No refund is made for any period for which the College has paid for hospital care.

## DEPARTMENTS OF INSTRUCTION

On the following pages is given an account of the work done in each course in the various departments. The courses are numbered as follows: Freshman courses, 11 to 19; Sophomore courses, 21 to 29; Junior courses, 31 to 39; Senior courses, 41 to 49; Graduate courses, above 50. Subfreshman courses (in which classes are formed if there are sufficient applicants to warrant are numbered 1 to 10. The courses are regularly taught as follows: In the fall term, courses 11, 15, 21, 25, 31, 35, 41, 51, 55; in the winter term, courses 12, 16, 22, 26, 32, 36, 42, 46, 52, 56; in the spring term, courses 13, 17, 23, 27, 33, 37, 43, 47, 53, 57; in the summer term courses 14, 18, 24, 28, 34, 38, 44, 48, 54, 58. Some courses are repeated other terms; this is particularly true in the summer term.

Following the description of each course is given the name of the text used, the titles of courses which are requisite to the work of the course, and statement of the credit given for the course. In all courses an equivalent text may be substituted for the one named.

## DEPARTMENT OF PHILOSOPHY AND EDUCATION

### PHILOSOPHY

*President Ketler, Professor Doxsee, Professor Reagle*

PHILOSOPHY 33. Logic: an elementary course in the forms of reasoned thinking, both deductive and inductive; lectures and recitations illustrated by numerous examples in logical praxis. Text-book: Creighton's Introductory Logic. Prerequisite: Psychology 31 and 32. Credit, 3 hours.

PHILOSOPHY 35. Introduction to Philosophy: a historical approach to the problems of metaphysics and epistemology; lectures and reports. Text-book: Calkins: The Persistent Problems of Philosophy. Prerequisite: Psychology 32 and Philosophy 33 are advised. Credit, 3 hours.

PHILOSOPHY 42. The Philosophy of the Christian Religion: a study of Christianity and the religions of the world historically investigated and philosophically construed with a purpose "to give a reason for the faith that is within us"; to learn the quest of man after God, and the quest of God after man. Text-book: Fairbairn: The Philosophy of the Christian Religion. Credit, 3 hours.

PHILOSOPHY 43. Ethics: a constructive study of ethical theory with an account of its philosophical basis, and a review of the great historical systems. Text-book: D'Arcy's Ethics. Prerequisite: Psychology 32. Credit, 3 hours.

PHILOSOPHY 45. History of Philosophy: a study of the Greek Mediaeval periods in philosophy, including a survey of the Pre-Socratic and Socratic Schools; an examination of Stoicism, Epicureanism and Scepticism, and a study of Neo-Platonism and the Scholasticism of the early Christian Fathers. Text-book and additional readings. Credit, 3 hours.

PHILOSOPHY 46. History of Philosophy: a study of the modern philosophers beginning with Descartes and including the principal philosophers of the French, English and German Schools. A portion of the time may be devoted to contemporary leaders of philosophic thought. Text-book and additional readings. Credit, 3 hours.

## PSYCHOLOGY

*Professor Platt*

PSYCHOLOGY 31. General Psychology, first term. An introduction to the procedure of psychology, the nature of consciousness, the relationship between consciousness and the nervous system, and the processes of sensation-perception. This course provides the foundation for the work of Psychology 32. Text-book: Angell's Psychology. Credit, 3 hours

PSYCHOLOGY 32. General Psychology, second term: A course presenting a consideration of memory and imagination, the ideational processes, the feelings, will, and the various dynamic phases of consciousness. A detailed study of the reactions to environment, suggestion, and inclination is made. After completing Psychology 32, a student should not only be able to understand the customary reactions to the extra-mental world, but should be able to analyze motives and reactions in such a way as to make practical application of this knowledge to his own life. Text-book: Angell's Psychology. Prerequisite: Psychology 31. Credit, 3 hours.

PSYCHOLOGY 33. Genetic Psychology: A study of the beginnings and growth of mental life, tracing the types of adaptive activity or intelligence through the physiological, sensory motor, representative, and conceptual stages. Students preparing to teach should avail themselves of this course in order to better understand the mental life of the pupils under their care. Text-book: Kirkpatrick's Genetic Psychology. Prerequisite: Psychology 32. Credit, 3 hours.

PSYCHOLOGY 37. Educational Psychology: A consideration of those aspects of psychology which form the basis for rational education, and to show their practical application to the problems of the schoolroom. Prerequisite: Psychology 32. Credit, 3 hours.

PSYCHOLOGY 43. Social Psychology: A study of the nature of the social mind, the influence of the individual on the group and the influence of the group on the individual. This course is particularly valuable to prospective teachers, ministers, and lawyers. Text-book: Ross' Social Psychology. Prerequisite: Psychology 32. Credit, 3 hours.

PSYCHOLOGY 47. Abnormal Psychology: A course

dealing primarily with diseased and abnormal mentality, but considers also many of the unusual phases of normal mental life. It ranges in its interests from the absent-mindedness of every day life to the phenomena of hysteria and multiple personality. Prospective physicians and lawyers as well as teachers should find this course of value. Prerequisite: Psychology 32.

Credit, 2 hours.

## EDUCATION

*Professor Platt*

EDUCATION 31. History of Education, first term: A study of the great educational periods and tendencies of history beginning with education as a non-progressive adjustment as found among the primitive races and tracing the development of educational content and method to the close of the Reformation. Text-book: Monroe: A Text-book in the History of Education.

Credit, 3 hours.

EDUCATION 32. History of Education, second term: A course taking up the realistic conception of education, and from that as a starting point a critical study of the various educational movements is made. Prerequisite: Education 31.

Credit, 3 hours.

EDUCATION 35. History of Secondary Education: A study of secondary education in its process of development. Perhaps more than any other phase of education, secondary education reflects the interests and ideals of a nation. Students who may be interested in the educational tendencies of the present day will find this course instructive and interesting. Prerequisite: Education 31, or Education 32.

Credit, 2 hours.

EDUCATION 36. General Methods: A study of the principles underlying the process of learning, together with methods of directing and assisting others in the learning process. If a teacher understands the broad, general principles upon which teaching is builded, he may apply these principles to the special subjects which he may be called upon to teach. Prospective teachers should avail themselves of this course. Credit, 2 hours.

EDUCATION 41. Principles of Education: A consideration of the bases, aims, values, and essential content of education; principles underlying the administration of the curriculum;



the agencies that educate; and a review of the fundamental psychological principles that a teacher should understand. Text-book: Ruediger's Principles of Education. Credit, 2 hours.

EDUCATION 42. Principles of Secondary Education: A study of the special problems characteristic of the high school, and an application of the methods of teaching to high school subjects. Adolescence is studied in its relation to the learning process, and in its relation to the interests peculiar to this period of life. Text-book. Monroe's Principles of Secondary Education. Prerequisite: Education 41. Credit, 3 hours.

EDUCATION 43. Philosophy of Education: A philosophical consideration of education in the light of what is known of biology, sociology, and psychology. No teacher is thoroughly prepared for the teaching profession who has not studied and reflected upon the subject of education in these connections. Such a course of study should give teachers a new and deeper understanding of the inner significance of education as an agency of human development. Text-book: Horne's Philosophy of Education. Prerequisites: Psychology 32, and Education 41.

Credit, 2 hours.

EDUCATION 45. Educational Sociology: A consideration of the individual and society as the two fundamental elements in the educational process, and their relations and the part each plays in the common life-process. Teachers should understand the means that education employs in utilizing the powers and capacities of the individual to fit him in the social system of which he is a part. Prerequisite: Education 41.

Credit, 2 hours.

EDUCATION 46A. Social Principles of Secondary Education: A survey of the policies, examples, and suggestions of ways and means of making the socializing work of the high school more definite and more effective. A study of the social principles of secondary education is demanded by the new awakening all over the country to a realization of the social and democratic meaning as well as the purely instructional nature of secondary education. Text-book: Johnstone: The Modern High School.

Credit, 2 hours.

EDUCATION 46B. Education of the Exceptional Child. The purpose of this course is to give an insight into what the

problem of the exceptional child may be. It is concerned with the educational procedure; but the character of the human material which is to be educated plays a fundamental part. Thus, questions of heredity and family history; of environment and social-economic conditions; of child hygiene and public sanitation; and numerous other elements are considered. Having completed a course of this kind, teachers will be better prepared to deal with children under their care who may deviate from the normal. Text-book: Crozsmann: The Exceptional Child. Prerequisite: Psychology 32. Credit, 2 hours.

EDUCATION 47. High School Supervision: A course designed for those who are already quite familiar with principles of school management. Consideration is given to the subjects that form the central feature of the activities of the school; to the line of contact where the personality of the teacher meets that of the pupil in the learning process; and to the problems connected with the presentation of the program of studies. Text-book: Hollister's High School Supervision. Prerequisite: Education 42. Credit, 2 hours.

EDUCATION 49. Theory and Practice of Teaching: An attempt, so far as it is possible with the limited time and facilities, to put into practice the theory of teaching as outlined in other courses and as review in this course. Students will be given opportunity to conduct recitations from time to time under direct supervision. (Open to a few students only).

Credit, 3 hours

## DEPARTMENT OF HISTORY, ECONOMICS AND GOVERNMENT

### HISTORY

*Professor Hatfield*

HISTORY 11. Greece and the Hellenistic Age to 146 B. C.: A survey of the institutions of Greek life, government, society, religion, and the expansion of Greek life and thought under Alexander; collateral readings from histories of Greece by Hohn and Duruy with other readings from the sources; reports. Text book: Bury's History of Greece. Credit, 3 hours.

HISTORY 12. The Roman Republic to Julius Caesar: Collateral readings in histories of the Romans by Mommsen, Botsford and others; source reading and reports. Text-book: Pelham's Outlines of Roman History. Credit, 3 hours.

HISTORY 13. The Roman Empire, Julius Caesar to Justinian: Collateral readings in the several leading histories of the Empire; source reading and reports. Text-book: Jones: The Roman Empire. Prerequisite: History 12.

Credit, 3 hours.

HISTORY 21. Mediaeval History, Justinian to the Renaissance 1450. Topics: Results of the Roman Empire, The Papacy, Monasticism, Feudalism, Beginnings of Modern States, The Church of the Middle Ages, Heresy, The Friars, Culture of the Middle Ages, The Great Church Councils, Italy 1300-1500, Renaissance, The Early Reformation. Readings in the Sources for this period; Robinson's Collections. Text-book: Robinson's History of Western Europe, Chapters 1 to 24.

Credit, 3 hours.

HISTORY 22. Europe between 1450 and 1800: The foundations of Modern Europe; colonial and dynastic rivalries; rise of modern states; the French revolution; the industrial revolution; source readings, Robinson's Collection. Text-book: Hayes', A political and Social History of Modern Europe. Volume 1. Prerequisite: History 21. Credit, 3 hours.

HISTORY 23. Europe in the Nineteenth Century, and to the present time: reactions after Napoleon, industrial revolu-

tion, Nationalism, Latin Europe, Teutonic Europe, rise of Russia and Prussia, unification of Italy, the Ottoman empire, spread of European civilization, War of 1914. Text-book. Hayes' A Political and Social History of Modern Europe. Volume 11. Collateral readings with reports. Credit, 3 hours

HISTORY 31. History of England from the beginning to 1485: Early settlements, beginning of Christianity in England, early social and political customs, the Kingship, Normandy, representative Government, ecclesiastical conflicts. Source readings with reports. Text-books: Gardiner's History of England, chapters 1 to 23; Chegney's Industrial and Social History of England. Credit, 3 hours.

HISTORY 32. History of England, 1485-1750: the Tudor Monarchy, the Reformation in England, Parliament, rise of the middle class, commerce, expansion; Puritan Revolution, the Kingship, political parties, Scotland, Ireland. Same Text-books and plan as in History 31. Credit, 3 hours.

HISTORY 33. History of England 1750 to the present time: Whigs and Tories, economic systems, colonial growth, Parliament, England and the French Revolution, democracy and reforms, free trade, imperialism, industrial and commercial developments. Same Text-books and plan as in History 31 and 32. Credit, 3 hours.

HISTORY 41. American History. Colonial Period. Text-books: Bassett's History of the United States, The American Nation Series, West's American Government, Source Book in American History, Messages and State Papers. Collateral readings with reports. Credit, 3 hours.

HISTORY 42. History of the United States 1783 to 1837: The Constitution and organization of the Government, political parties and constitutional questions, social and industrial growth, expansion of territory and sectionalism, tariff, finance and monetary history, the War of 1812 and the New Americanism, slavery, nullification, the new democracy. Prerequisite: History 41, using the same texts and plan. Credit, 3 hours.

HISTORY 43. History of the United States from 1837 to the present time: Slavery, States' rights, sectionalism, economics and social growth, politics, foreign relations, the Civil War, reconstruction, arbitration, finance, civil service, suffrage and



tariff reforms, industrial growth and combinations, imperialism, problems of expansion, European War. Same Texts and plan as History 41 and 42. Credit, 3 hours.

**HISTORY.** Special Courses. One of the following courses will be offered each term, according to election by students.

1. Renaissance and Reformation.
2. The Roman Republic.
3. Roman Private Law.
4. The Government of Athens; Aristotle's Constitution of Athens.

### ECONOMICS

**ECONOMICS 11.** A First College Course in the Elements of Economics. Text-book: Fly, Adams, Lorenz, Young's Outlines of Economics. Books 1 and 11, pages 1 to 640.

Credit, 3 hours.

**ECONOMICS 31.** Principles and Theories of Economics. Topics: wealth and labor, modern industry, features of modern production, capital, value and exchange, money and banking, international trade. Text-book: Taussig's Principles of Economics, Volume 1.

Credit, 3 hours.

**ECONOMICS 32.** Principles and Theories of Economics. Topics: distribution of wealth, land and agriculture, labor, wages, population, insurance, transportation, combinations and trusts, socialism, taxation. Text-book: Taussig's Principles of Economics, Volume II. Prerequisite: Economics 31.

Credit, 3 hours.

**ECONOMICS 33.** Money and Banking. Text-book: Holdsworth's Money and Banking.

Credit, 3 hours.

**ECONOMICS 34.** Labor Problems. Text-book: Adams and Summer's Labor Problems.

Credit, 3 hours.

**ECONOMICS 35.** Principles of Rural Economics. Text-book: Carver's Principles of Rural Economics. Credit, 3 hours.

**ECONOMICS 36.** Elements of Railway Economics. Text-book: Acworth's Elements of Railway Economics.

Credit, 3 hours.

**ECONOMICS 41.** Economic History: A survey of economic phenomena in various countries, with special attention to England and the United States since 1750; law, commerce



finance, industry, and successive Economic Systems. Prerequisite: Economics 11, or Economics 31 and 32. Credit, 3 hours.

A year's work in Economics and Government is planned for the Freshman year by combining Economics 11 and Government 12 and 13 into one group.

### GOVERNMENT

GOVERNMENT 12. The American Government: The essential principles and forms of organization of the federal and state government, and local government. Text-books: Beard's, The American Government and Politics, and Forman's Advanced Civics, Parts 1 and 11. Parallel readings, with reports.

Credit, 3 hours.

GOVERNMENT 13. The Functions of the American Government. Topics: Political theories as to scope and functions of government, laws, defense, international relations, taxation, national finance, state finance, public debt, taxation, money, commerce, elections, education, corporations, labor, crime, charities, police powers. Text-books: Beard's, The American Government and Politics, and Forman's Advanced Civics, Part III. Parallel readings with reports. Prerequisite: Government 12

Credit, 3 hours.

GOVERNMENT 41. An Introduction to the study of Political Science: The origin of government, theories of government, historical forms of government and changes in the forms, the sphere of government. Text-book: Leacock: The Elements of Political Science. Parallel readings with reports. Prerequisite: History 21, 22 and 23.

Credit, 3 hours.

GOVERNMENT 42. Modern European Governments. Three or four of the most important governments of Europe will be studied, the selection being made according to the conditions of current events. Text-books: Ogg's European Governments, and Dodd's Modern Constitutions. Collateral readings with reports. Prerequisite: History 22 and 23, and Government 41.

Credit, 3 hours.

GOVERNMENT 43. Modern European Governments: A study of other governments of Europe than those selected for Government 42. Text-books: Ogg's European Governments, and Dodd's Modern Constitutions. Collateral readings with reports. Prerequisite: Government 42.

Credit, 3 hours.

## DEPARTMENT OF ENGLISH

*English: . . Professor Doxsee, Professor Tinker, Mrs. Ritchey*

*The Bible: Professor Reagle*

*Oratory: Miss Griffin*

*Library: Miss Dunbar*

## ENGLISH

ENGLISH 11. English Composition: the systematic discussion of the principles of composition, with practice in the writing of numerous brief papers; collateral reading and critical discussion of models of various types of writing; individual criticism of students' themes at times appointed by the instructor. Text-book: Woolley's Handbook of Composition. Prerequisite: High School English. Credit, 2 hours.

ENGLISH 11 and ORATORY 11 are combined as one course. Credit, 3 hours.

ENGLISH 12. English Composition: The discussion and application of the principles of composition, together with the critical study of models. Text-book: Woolley's Handbook of Composition. Prerequisite: English 11. Credit, 2 hours.

ENGLISH 12 and ORATORY 12 are combined as one course. Credit, 3 hours.

ENGLISH 13. Argumentation: study of the principles and methods of formal debate; practice in both oral and written argument. Text-book: Duncan, Denney and McKinney's Argumentation and Debate. Prerequisite: English 12. Credit, 2 hours.

ENGLISH 13 and ORATORY 13 are combined as one course. Credit, 3 hours.

ENGLISH 31. Introduction to English Literature: classroom reading and discussion of works illustrative of the various types of English literature. The Renaissance and the Seventeenth Century: Chaucer, Shakespeare, Spencer, Bacon, Bunyan, Milton. Prerequisite: English 11, 12, 13. Credit, 3 hours.

ENGLISH 32. Introduction to English Literature: readings in English literature in the Eighteenth Century: Swift,

Addison, Steele, Pope, Johnson, Gray, Goldsmith, Cowper, Burns. Prerequisite: English 31. Credit, 3 hours.

ENGLISH 33. Introduction to English Literature: readings in the prose and poetry of the Nineteenth Century: Wordsworth, Coleridge, Scott, Byron, Shelley, Keats, Carlyle, Ruskin, Arnold, Tennyson, Browning. Prerequisite: English 32.

Credit, 3 hours

ENGLISH 35. Milton: the critical study of *Paradise Lost*, *Paradise Regained*, and *Samson Agonistes*; informal lecture assigned readings and reports. Prerequisite: English 31, 32, 33.

Credit, 3 hours.

ENGLISH 36. English Poetry, 1789-1832: Burns, Wordsworth, Coleridge, Scott. Prerequisite: English 35.

Credit 3 hours.

ENGLISH 37. English Poetry, 1798-1832: Byron, Shelley, Keats. Prerequisite: English 36. Credit, 3 hours.

ENGLISH 35A. Shakespearean Tragedy: the study of *Hamlet*, *Macbeth*, *King Lear* and *Othello*, with lectures on the nature of tragedy. Omitted in 1918-19.

Credit, 3 hours

ENGLISH 36A. Shakespearean Comedy: six comedies of Shakespeare, with collateral study of the Elizabethan stage. Omitted in 1918-19.

Credit, 3 hours

ENGLISH 37A. Contemporary Drama: the main tendencies of the modern stage. Text-book: Dickinson's *Chief Contemporary Dramatists*. Omitted in 1918-19.

Credit, 3 hours.

ENGLISH 41. American Poetry: Bryant, Poe, Emerson. Text-book: Page's, *The Chief American Poets*. Omitted in 1918-19.

Credit, 3 hours

ENGLISH 42. American Poetry: Longfellow, Lowell and Holmes. Text-book: Page's *The Chief American Poets*. Omitted in 1918-19.

Credit, 3 hours.

ENGLISH 43. American Poetry: Whittier, Whitman and Lanier. Text-book: Page's, *The Chief American Poets*. Omitted in 1918-19.

Credit, 3 hours

ENGLISH 45. Carlyle: the study of Carlyle's work in its leading phases with a consideration of his relation to contemporary thought and letters; informal lectures and assigned

readings. Prerequisite: English 31, 32, 33. Credit, 3 hours.

ENGLISH 46. Tennyson: the study of selected poems illustrative of the development of Tennyson's art; informal lectures and assigned readings. Prerequisite: English 31, 32, 33.

Credit, 3 hours.

ENGLISH 47. Browning: interpretive reading and critical discussion of Browning's representative work. Prerequisite: English 31, 32, 33.

Credit, 3 hours.

The following subfreshman courses in English are offered when there is need.

ENGLISH 1. Preparatory Rhetoric, first term. This course includes a brief review of grammar and punctuation. Special attention is given to the use of clear, correct English in composition of paragraphs and themes. Text-book: Lockwood and Emerson: Composition and Rhetoric. 5 recitations a week.

Credit, 3 hours

ENGLISH 2. Preparatory Rhetoric, second term: a continuation of English 1 with more advanced work along the same lines. 5 recitations a week.

Credit, 3 hours.

ENGLISH 3. Preparatory Rhetoric, third term: a continuation of the work of the two preceding terms. 5 recitations a week.

Credit, 3 hours

ENGLISH 5. Preparatory Classics. For this course masterpieces of English literature are selected from the College Entrance Requirements. Text-book: Halleck's English Literature. 5 recitations a week.

Credit, 3 hours.

ENGLISH 6. Preparatory Classics: a continuation of English 5. 5 recitations a week.

Credit, 3 hours.

ENGLISH 7. Preparatory Classics. Masterpieces of American Literature are selected. Halleck's American Literature is used for reference. 5 recitations a week.

Credit, 3 hours

## BIBLE

BIBLE 21. Old Testament History: the Hebrew Patriarchs and the early Founders of the Nation. A study of the books from Genesis to Ruth in the light of corroborative testimony from other sources.

Credit, 3 hours.

BIBLE 22. Old Testament History: the Hebrew Monarchy,



the Exile, and the Restoration. The historical books from Samuel to Esther will be studied, supplemented by historical data from the Prophets and outside sources. Credit, 3 hours.

BIBLE 23. The Hebrew Prophets. An introduction to the study of Prophecy with the special study of one or more of the books of the Major Prophets. Credit, 2 hours.

BIBLE 24. Hebrew Wisdom Literature: A general introduction to the works of the Hebrew Sages and poets with a special study of Job. Credit, 2 hours.

BIBLE 31. The Life of Christ. Text-book: Stevens and Burton's, Harmony of the Gospels. Credit, 3 hours.

BIBLE 32. The Apostolic Church. The history of the Acts and Epistles. Text-book: Burton: The Records and Letters of the Apostolic Age. Credit, 3 hours.

BIBLE 33. A History of the English Bible, including manuscripts and versions. Credit, 2 hours.

BIBLE 34. A study of selected Pauline Epistles, with more detailed study of the Epistle to the Romans.

Credit, 2 hours.

### ORATORY

ORATORY 11. Interpretation and Presentation of literature; exercises for freeing the body and voice. Text-book: Emerson's Evolution of Expression, Vol. 1. Two recitations a week. Credit: combined with English 11 for a credit of 3 hours.

ORATORY 12. Presentation of literature paying attention to the Parts of the selection. Text-book: Emerson's Evolution of Expression, Vol. II. Two recitations a week. Credit: Combined with English 12 for a credit of 3 hours.

ORATORY 13. Presentation of literature finding the service rendered the whole by each part. Text-book: Emerson's Evolution of Expression, Vol. III. Two recitations a week. Credit: combined with English 13 for a credit of 3 hours.

ORATORY 21. Physical Culture; a special set of physical exercises is given: Vocal Culture; breath control, placing of tones, resonance: Pantomime; presentation of scenes from life for criticism: Literary Interpretation; two of the last four steps of Evolution of Expression; Recital: Story; telling assigned stories. Four recitations a week. Credit 2, hours.



ORATORY 22. Physical Culture; use of the exercises of Oratory 21 in quotations and selections: Vocal Culture; tone projection, radiation: Pantomime; poised groups representing different thoughts and emotions: Literary Interpretation; the last two steps in Evolution and Expression; Recital: Story; telling and classifying stories. Four recitations a week.

Credit, 2 hours.

ORATORY 23. Physical Culture; special selections with attention paid to gesture; spontaneous gesture: Vocal Culture; compass, smoothness, power and brilliancy of tone: Pantomime; short plays produced from subjects given; scenes from well known dramas or stories: Literary Interpretation; beginning Sixteen Perfective Laws of Art; Recital: Story; the stories of different nations; the use of the story; stories for the different ages of children. Four recitations a week. Credit, 2 hours.

Oratory 31. Gesture; technique: Literary Interpretation; expressive study of description and narration; poetry; recital: Dramatics; reading of one act plays: Oratory; study of extracts from famous orations. Four recitations a week.

Credit, 2 hours.

ORATORY 32. Gesture; selections with criticism given especially to gesture: Literary Interpretation; poetry and dramatic literature; recital: Dramatics; presentation of one act plays; stage setting; business: Oratory; analysis and presentation of orations. Four hours a week. Credit, 2 hours.

ORATORY 33. Gesture; spontaniety and calculation; the physiology and psychology of gesture: Literary Interpretation; prose, poetry, bible; recital: Dramatics; presentation of one act plays with costume: Oratory; study and writing of oration. Four recitations a week.

Credit, 2 hours.

ORATORY 41. Literary Interpretation with drill on the Sixteen Perfective Laws of Art: Impersonation of the child; Recital: Dramatic Interpretation of one tragedy from Shakespeare: Public Speaking with the writing and presenting short speeches on current topics. Four recitations a week.

Credit, 2 hours.

ORATORY 42. Literary Interpretation with drill on the Sixteen Perfective Laws of Art: Monologue; dialect; recital: Dramatics; presentation of scenes from plays studied in Oratory

41: Public Speaking with talks from notes on current topics. Four recitations a week. Credit, 2 hours.

ORATORY 43. Literary Interpretation; higher attitudes of the mind and soul: Delineation of character: Public recital: Dramatics; reading and presentation of scenes from one of Shakespeare's comedies: Public Speaking; longer speeches without notes upon current events; topics from history and literature. Four recitations a week. Credit, 2 hours.

ORATORY 31, 32, 33, 41, 42, 43 do not yield credit applying toward the requirements for a baccalaureate degree. Students graduating in any of the academic courses who have taken the four years work in Oratory will be given a special certificate in Oratory.

### LIBRARY

BIBLIOGRAPHY AND GENERAL REFERENCE. The purpose of this course is to train students in the proper use of the library and to familiarize them with the principal reference books. It comprises lectures on classification of books, the catalogue, indexes, dictionaries, encyclopaedias, public documents, graded lists of children's literature, selection and management of school libraries, story telling.

The student is given test problems and reference lists to work out. Stress is laid upon current events and the best sources for such. A bibliography on some approved subject is required of each student.

Practice work: As the library is free to both College and town the work at the desk gives the student in charge practical experience in work with both adults and children. Practice work in the story hour is given to those desiring special work with the children.

The course for the first term is a general course and is without college credit. The class for the second term and third term is formed from those who have shown marked ability in the first term's work.

Lecture, 2 hours; Practice work, 3 hours, throughout the year.

For second and third terms, credit, 1 hour.

## DEPARTMENT OF CLASSICAL LANGUAGES

### LATIN

*Professor Calderwood, Professor Tinker*

LATIN 11. Cicero; *De Senecute* and *De Amicitia*: a study of the text with reference to the grammar, contemporary history and philosophic thought. Text-book: Chase and Stuart. Prerequisite: Latin, 4 units. Credit, 3 hours.

LATIN 12. Latin Composition: a thorough review of grammar and vocabulary. Text-book: Barss' *Latin Composition*, Book 2. Prerequisite: Latin, 4 units. Credit, 3 hours.

LATIN 13. Livy, Book 1. Books 2, 21 or 22 may be substituted for Book 1. Prerequisite: Latin, 4 units.

Credit, 3 hours

LATIN 21A. Plautus: *Captivi et Trinummus*; a study of the Latin drama. Taught in 1918-19. Prerequisite: Latin 11.

Credit, 3 hours.

LATIN 21B. Terence: *Phormio* and Selections; a study of the Latin Drama. Taught in 1919-20. Prerequisite: Latin 11, or equivalent.

Credit, 3 hours.

LATIN 22. Tacitus. *Annals*, Book 1 with contemporary history. Prerequisite: Latin 11, or equivalent.

Credit, 3 hours.

LATIN 23. Horace; Selections from the odes, epodes and satires, with a study of the metre, mythology and literature. Prerequisite: Latin 11 or equivalent.

Credit, 3 hours.

LATIN 24. *Tusculan Disputations*; Book 1: a study of Roman Philosophy.

Credit, 3 hours.

LATIN 31A. Social life at Rome in the time of Cicero: Library work, thesis. Text-book: Fowler. Taught in 1918-19.

Credit, 2 hours.

LATIN 31B. Roman Political Institutions. Taught in 1919-20. Text-book: Abbott.

Credit, 2 hours.

LATIN 32. Quintilian. Selections from Books 10 and 12: Discussion of Latin writers. Prerequisite: Latin 11.

Credit, 2 hours.

LATIN 33. Advanced Composition. Text-book: Arnold: Latin Composition. Prerequisite: Latin 12. Credit, 2 hours

LATIN 34. Roman Historians. Text-book: Scoon, Mierow and Jones: Selections from Roman Historians. Prerequisite: Latin 11. Credit, 2 hours

LATIN 41. Cicero's Letters. Selected letters. Text-book: Abbott. Prerequisite, Latin 11, 12 and 13. Credit, 2 hours.

LATIN 42. Suetonius. Selections from the Lives of the Caesars. Text-book: Pike. Prerequisite: Latin 11, 12, and 13. Credit, 2 hours.

LATIN 43. Vergil. Rapid reading in selected portions from Books 7 to 12 of Vergil's Aeneid. Prerequisite: Latin 11, 12 and 13. Credit, 2 hours.

The following subfreshman courses in Latin are offered when there is need:

Elementary Latin. A three-term course giving a thorough drill in forms, vocabulary and the elementary principles of grammar with daily practice in turning Latin into English and English into Latin. The text used is Pearson's Essentials of Latin.

LATIN 1. Lessons 1 to 25. 5 recitations a week. Credit, 3 hours.

LATIN 2. Lessons 26 to 50. 5 recitations a week. Credit, 3 hours.

LATIN 3. Lessons 51 to end of the book. 5 recitations a week. Credit, 3 hours.

LATIN 4. Caesar, first term. Books 2 and 3 of Caesar's Gallic Wars using Allen and Greenough's text; translation with systematic study of Allen and Greenough's Grammar. Prerequisite: Latin 3. 5 recitations a week. Credit, 3 hours.

LATIN 5. Caesar, second term. Books 1 and 4 of Caesar's Gallic Wars. Prerequisite: Latin 3. 5 recitations a week. Credit, 3 hours.

LATIN 7. Cicero, first term. The first three orations against Catiline with a thorough study of the grammar involved. Prerequisite: Latin 5. 5 recitations a week. Credit, 3 hours.

LATIN 7. Cicero, second term. The Fourth Oration against Catiline; Manilian Law. Prerequisite: Latin 5. 5 recitations a week. Credit, 3 hours.

LATIN 8, 9 and 10. Vergil's Aeneid. Translation with a



a study of the metre and of the grammar and mythology; Emphasis is laid on the Aeneid as a work of literature. Prerequisite: Latin 6. Credit, 3 hours.

### GREEK

#### *Professor Oliphant*

GREEK 11. The Elements of Greek. This course is for those who begin the study in College. It aims to secure a thorough mastery of the principal inflections, a careful study of the leading principles of syntax, the acquisition of a small but efficient vocabulary and a facility in reading and writing easy sentences in Greek. Due attention is given to cognate and derivative words and to comparison with Latin morphology and with Latin and English syntax. Ball: The Elements of Greek. Prerequisite: Latin, 2 units. Credit, 5 hours.

GREEK 12. The Elements of Greek. This continues Course 11 and concludes with a special review of irregular verbs and a study of word composition. Prerequisite: Greek 11. Credit, 5 hours.

GREEK 13. Xenophon: Anabasis, Book I. There is a rigid insistence upon an adequate and idiomatic translation and an accurate understanding and interpretation of the text. As an important ancillary, especial emphasis is laid upon the syntax of the case, mood, tense and participle. Prerequisite: Greek 12. Credit, 5 hours.

GREEK 21. Xenophon: Anabasis, Book II, and Prose Composition. To the studies emphasized in Course 13 is now added a special consideration of the outstanding stylistic features of Book II, as a propaedeutic to the student's later training in literary appreciation. About half the term is given to prose composition. Prerequisite: Greek 13. Credit, 5 hours.

GREEK 22. Xenophon: Anabasis, Books III and IV. This includes a study of Xenophon as man, commander and author, of the historical importance of the expedition, Hellenic tactics, etc. Prerequisite: Greek 21. Credit, 5 hours.

GREEK 23. Homer: Iliad. Books I and II, and selections from others, with due attention to the language, verse and poetic qualities of Homer. Prerequisite: Greek 22. Credit, 5 hours.



Courses 11, 12, 13, 21, 22, are each taught several times during the year.

The following courses are taught 1918-19 by Professor Oliphant.

GREEK 31A. Herodotus: Selections. A reading of considerable portions of his *Historia* with a review of the origin of historical composition among the Hellenes and a study of the Ionic dialect. Prerequisite: Greek 22. Credit, 3 hours.

GREEK 32A. Plato: *Apology* and *Crito*. A study of the life of Socrates. Prerequisite: Greek 22. Credit, 3 hours.

GREEK 33A. Homer: *Odyssey*. Selections from Books I to XII. Prerequisite: Greek 23. Credit, 3 hours.

GREEK 34A. Xenophon: *Hellenica* or *Memorabilia*. Prerequisite: Greek 22. Credit, 3 hours.

GREEK 35A. Xenophon: *Minor Works*, usually the *Oeconomicus*, *Hiero* or *Agésilas*. Prerequisite: Greek 22. Credit, 2 hours.

GREEK 36A. Greek Prose Composition. The writing of connected discourse in Greek and study of Greek and English idiom. Prerequisite: Greek 22. Credit, 2 hours.

GREEK 37A. Euripides: *Alcestis* or *Ion*. Prerequisite: Greek 23. Credit, 2 hours.

GREEK 38A. Cebes: *Pinax*, and Dion Chrysostomus: *Hunters of Euboea*, or equivalents. Prerequisite: Greek 22. Credit, 2 hours.

GREEK 41A. Plutarch: *Life of Pericles*. A study of the "Golden Age of Athens." Prerequisite. Greek, 6 hours among courses 31-38. Credit, 3 hours.

GREEK 42A. Sophocles: *Oedipus Tyrannus*, *Antigone*. The Greek Theatre: *Origin of Tragedy*. Prerequisite: Same as for 41A. Credit, 3 hours.

GREEK 43A. Aristophanes: *Frogs*, *Wasps*. *Origin of Comedy*. Prerequisite: Greek 41 or 42. Credit, 3 hours.

GREEK 44A. Theocritus: *Idylls*. *Influence on later pastoral poetry*. Prerequisite: Same as for 41A. Credit, 3 hours.

GREEK 45A. Sophocles: *Ajax*, *Electra* or *Philoctetes*. Prerequisite: Same as 41A. Credit, 2 hours.

GREEK 46A. New Testament: Gospels. Prerequisite: Two courses from among Greek 41-45. Credit, 2 hours.

GREEK 47A. New Testament: Selected Pauline Epistles. Prerequisite: Two courses from among Greek 41-46.

Credit, 2 hours.

GREEK 48A. New Testament: Acts. Prerequisite: Two courses from among Greek 41-47. Credit, 2 hours.

The following courses are taught 1919-20.

GREEK 31B. Lysias: Selected Orations. Lysias, exemplar of the "Plain Style," illustrates the straight-forward practical oratory. Prerequisite: Greek 22. Credit, 3 hours

GREEK 32B. Plato: Phaedo. A study of the greatest teacher of Hellenism on the loftiest and universally interesting subject, the immortality of the soul. Prerequisite: Greek 22.

Credit, 3 hours.

GREEK 33B. Homer: Odyssey. Selections from Books XIII-XXIV. Prerequisite: Greek 23. Credit, 3 hours.

GREEK 34B. Thucydides: Selections of the Sicilian Expedition. Prerequisite: Greek 22. Credit, 3 hours.

GREEK 35B. Plato: Minor Dialogues. Usually Charmides, Laches, Lysis, Euthyphro, Ion, or Menexenus. Prerequisite: Greek 22. Credit, 2 hours.

GREEK 36B. Greek Prose Composition. A course parallel to Greek 36A, and alternating with it. Prerequisite: Greek 22. Credit, 2 hours.

GREEK 37B. Euripides: Bacchae or Medea. Prerequisite: Greek 23. Credit, 2 hours.

GREEK 38B. Anthology of Hellenic Prose. Selections from Wright and Shadwell's Golden Treasury or similar work. Prerequisite: Greek 22. Credit, 2 hours.

Greek 41B. Lucian: Selections from Vera Historia and Dialogues, illustrative of Lucianic fun and mischief, mastery of satire and modern spirit. Prerequisite: Same as for 41A.

Credit, 3 hours.

GREEK 42B. Aeschylus: Prometheus Bound, Agamemnon. Prerequisite: Same as for 41A. Credit, 3 hours.

GREEK 44B. Attic Orators: Selections illustrative of various "styles" and authors. Prerequisite: Same as for 41A.

Credit, 3 hours.

GREEK 45B. Elegiac, Iambic and Lyric Poets: Selected poems and fragments. Prerequisite: Same as for 41A.

Credit, 2 hours.

GREEK 46B. New Testament: Catholic and Pastoral Epistles. Prerequisite: Two courses from among Greek 41-45.

Credit, 2 hours.

GREEK 47B. Septuagint: Selections. Prerequisite: Two courses from among Greek 41-46.

Credit, 2 hours.

GREEK 48B. New Testament: Selections. Prerequisite: Two courses from among Greek 41-47.

Credit, 2 hours.

Undergraduates of marked proficiency may be admitted to courses 51 to 57. These courses will be conducted largely as seminars. Any one of them may be extended to two terms for more intensive work. Courses in such other fields as Greek Historiography, Romance, Dialectology, Papyrology, Byzantine Authors, Modern Greek, Historical Syntax, Comparative Philology including Phonology, Morphology, Etymology and Semasiology, may be substituted, if much preferred.

GREEK 51. Melic Poets: Selections. The principal fragments of the great lyric poets, Alcman, Alcaeus, Sappho, Anacreon, Simonides, Stesichorus, etc., with longer selections from Pindar and Bacchylides. Also a study of lyric metres. Prerequisite: Greek 42 or equivalent.

Credit, 3 hours.

GREEK 52. Greek Drama: Selected Plays and Fragments. A study of the dramatic authors and their art. Prerequisite: Greek 42 or equivalent.

Credit, 3 hours.

GREEK 53. Greek Epigraphy and Palaeography. A number of inscriptions in different dialects and alphabets may be read from facsimile copies. Photographic reproductions of papyri and manuscripts will be used for the work in palaeography. Prerequisite: Greek 51 or 52.

Credit, 3 hours

GREEK 55. Greek Oratory: Demosthenes: De Corona and illustrative selections from other orators and from literary critics, especially Dionysius Halicarnasseus. Prerequisite: Greek 51 or 52.

Credit, 3 hours

GREEK 56: Greek Philosophy. The fragments of pre-Socratic philosophy may be read in Ritter and Preller and selections from Aristotle's Nicomachean Ethics or Plato's Republic. Prerequisite: Greek 51 or 52.

Credit, 3 hours.

**GREEK 57.** Greek Literature. A survey of the literature from Homer to the Alexandrian Age, with illustrative readings in prose and verse. Prerequisite: Greek 51 or 52.

Credit, 3 hours.

### SANSKRIT AND INDO-EUROPEAN PHILOLOGY

The following courses will be given by the Greek department at any time that the demand may justify it, to those students of marked linguistic ability who desire them as a propaedeutic to teaching the Classics or for the cultural value to be derived from such extension of linguistic and literary knowledge. Courses 41-43 and 55-57 are of great value to any student intending to teach any language, even his own.

**SANSKRIT 41-43.** The Elements of Sanskrit. The essentials of the grammar and the reading in Devanagari of such texts as the Nala Episode from Mahabharata, the Hitopadeca, the Katha-Sarit-Sagara, the Manava-Dharma-Castra. The Pancatantra, etc. Prerequisite: At least 2 years in each of 2 foreign languages, preferably Latin and Greek. Credit, 3 hours.

**SANSKRIT 45-46.** The Rig Veda and the Atharva Veda: Selected Hymns. The sacred literature of ancient India and the earliest monuments of Indo-European speech. Invaluable to the student of philology, comparative literature, comparative religion, folklore, etc. Prerequisite: Sanskrit 43. Credit, 3 hours.

**SANSKRIT 47.** Vedic Prose: Selections from the Catapatha Brahmana, Aitareya Brahmana, Chandogya Upanishad, Acvalayana Grihya Sutra, etc. Prerequisite: Sanskrit 41-43.

Credit, 2 hours.

**SANSKRIT 49.** Sanskrit Drama: The Cakuntala of Kalidasa—the most admired work of “India’s Shakespeare.” Prerequisite: Sanskrit 41-43.

Credit, 2 hours.

**PALI 51-52.** The essentials of Pali grammar and readings from the Dhammapada, Cullavagga, Petavatthu, Mahavagga, Jatakas, etc. Prerequisite: Sanskrit 45-46. Credit, 3 hours.

**AVESTIAN 51-52.** The essentials of the grammar and readings from the Scriptures of Zarathushtra (Zoroaster), the Yasna, Yashts and Vendidad. Valuable for philology and comparative religion. Prerequisite: Sanskrit 45-46.

Credit, 3 hours.



**LITHUANIAN 51-52.** The grammar and readings from the Lithuanian New Testament, the poems of Donalitis, the Dainos (folk-songs) and Pasukos (Maerchen). Valuable for philology, folk-lore, etc. Prerequisite: Sanskrit 41-43.

Credit, 3 hours.

**PHILOLOGY 55-57.** Comparative Philology of the Indo-European Speech. The Indo-European vowels, consonants, morphology, suffixes, etc., illustrated from the whole range of Indo-European speech. This course will be accompanied by an account of the early Indo-Europeans, their civilization, etc., and a survey of the Indo-European languages. Prerequisite: Sanskrit 43.

Credit, 2 hours.

### ARCHAEOLOGY

**ARCHAEOLOGY 41A.** Hellenic Archaeology. A study of the architecture, sculpture, terracottas, metal work, coins, engraved gems, vases, mosaics, etc., of ancient Hellas. Fowler and Wheeler: Greek Archaeology. Prerequisite 90 hours of college work. Taught in 1918-19.

Credit, 3 hours.

**ARCHAEOLOGY 42A.** Hellenic Archaeology. A continuation of 41A, together with a study of the topography, monuments and public antiquities of Athens as described by Pausanias. Fowler and Wheeler: Greek Archaeology. Frazer: Pausanias. Prerequisite: Archaeology 41A. Taught in 1918-19.

**ARCHAEOLOGY 41B.** Hellenic Private Life. A study of the private life of the Hellene from the cradle to the grave, including childhood, education, food, dress, marriage, condition of women, house and furniture, amusements, religion, slaves, funeral and burial customs, etc. Prerequisite: 90 hours of college work. Taught in 1919-20.

Credit, 3 hours.

**ARCHAEOLOGY 42B.** Hellenic Public Life. A study of the public life of the Hellene, including politics, government, revenues, finance, manufactures, industries, trusts, commerce, exports and imports, insurance, wages, prices, interest, army, navy, fortifications, town planning, public buildings, courts of justice, public charities, professions, urban and rural life, etc. Prerequisite: Archaeology 41B. Taught in 1919-20.

Credit, 3 hours.



## DEPARTMENT OF MODERN LANGUAGES

## GERMAN

*Professor Caruthers and Professor Lippelt*

Those students who offer German as a language for a degree must offer nine hours of German, beginning with German 15; the work of German 15 pre-supposes two years previous training in German. This necessary previous training is covered by German-2 units, by German-1 unit and Courses 11, 12, 13, or, by German 25, 26, 27.

GERMAN 11. Second year German, first term. German Grammar is thoroughly reviewed and a thorough drill is given in conversation and composition. Text-book: Pope's Writing and Speaking German. Prerequisite: German 1 unit.

Credit 3, hours.

GERMAN 12. Second year German, second term: a continuation of German 11. Easy translation is added to the work in grammar, composition and conversation. "Hoher als die Kirche" or equivalent. Prerequisite: German 11.

Credit, 3 hours.

GERMAN 13. Second year German, third term: a continuation of German 12; "Wilhelm Tell." Prerequisite: German 12.

Credit, 3 hours.

GERMAN 15. Prose Composition. Composition and conversation are systematically practiced. Text-book: Bacon's Prose Composition. Prerequisite: German 13 or German-2 units.

Credit, 3 hours.

During the first two weeks the students in German 15 are examined in conversation, composition and general knowledge of grammar. Those whose work in this test shows insufficient preparation for the course are required to substitute German 11 for German 15. It is understood that in such cases German 11 does not count toward the nine hours of German required for the degree.

GERMAN 16. Survey of German Literature. Text-book: Priest's Survey of German Literature. Prerequisite: German 13, or German-2 units. German 15 is advised.

Credit, 3 hours.

GERMAN 17. Short story course. Prerequisite: German 15. Credit, 3 hours.

GERMAN 21A, 22A, 23A are taught 1918-19.

GERMAN 21A. Lessing's Life and Works. Reading of "Nathan Der Weise" and "Minna von Barnhelm." Prerequisite: German 15 and 16. Credit, 3 hours.

GERMAN 22A. Conversation and advanced Prose Composition. Text-book: Osthaus and Biermann's Prose Composition. Part II. Prerequisite German 15. Credit, 3 hours.

GERMAN 23A. Heine. The later Romanticism and the life of Heine are studied. Text-book: Heine's Prose Works; "Harz Reise." Prerequisite: German 16 and 17. German 21A or 21B is advised. Credit, 3 hours.

GERMAN 21B, 22B, 23B, are taught 1919-20.

GERMAN 21B. Text-books: Schiller's "Jungfrau von Orleans," "Maria Stuart", and selected poems are translated in class. Thomas' Life of Schiller, and "Kabale und Liebe" or "Die Räuber" are assigned for outside reading. Prerequisite: German 15 and 16. Credit, 3 hours.

GERMAN 22B. Conversation and Advanced Prose Composition. Text-book: Pope's Advanced German Composition. Prerequisite: German 15. Credit, 3 hours.

GERMAN 23B. Text-book: Schiller's "Wallenstein." Work on the Thirty Years' War is assigned for outside reading. Prerequisite: German 16 and 17. German 21A or 21B is advised. Credit, 3 hours.

GERMAN 31. Text-books: Goethe's "Hermann and Dorothea" and "Sesenheim" are translated in class; "Goetz von Berlichingen" and Sime's "Life of Goethe" are assigned for outside reading. Prerequisite: German 15, 16, and 17.

GERMAN 32. Goethe continued. "Egmont," "Iphigenie" and selected poems are translated. Prerequisite: German 31. Credit, 2 hours.

GERMAN 33. Nineteenth Century Novel and Novelists.

Credit, 2 hours.

GERMAN 41 Faust-Part 1. Prerequisite: German 23.

Credit, 2 hours.

GERMAN 42. Advanced Prose Composition and Conver-

sation, or Normal Course for teachers. Prerequisite: German 23. Credit, 2 hours.

GERMAN 43. "Das Niebelungen Lied;" or, Nineteenth Century Drama. Prerequisite: German 23. Credit, 2 hours.

GERMAN 25, GERMAN 26 and GERMAN 27 constitute a course of collegiate grade for students who have never studied German. It is aimed to cover work equivalent to two years of high school German. On completion of this course, students are ready for German 15. At least four years of previous training in language is necessary to handle work of this course. The class meets five times a week and gives a credit of 5 hours each term.

### FRENCH

*Professor Caruthers, Professor Lippelt*

FRENCH 11. French Grammar: A course covering Part 1 of Fraser and Squair's Grammar with a study of irregular verbs. Gaudel's text is used for a study of idioms and grouped vocabulary. Credit, 5 hours.

FRENCH 12. French Grammar: A continuation of French 11 with review of work already covered; sections from Part II of Fraser and Squair; translation and conversation based on "En France." Prerequisite: French 11. Credit, 5 hours.

FRENCH 13. Continuation of composition and oral practice of the preceeding courses; translation of Mairer's La Tache du Petit Pierre, and Daudet's La Belle Nivernaise. Prerequisite: French 12. Credit, 5 hours.

FRENCH 15. French translation with work in grammar and conversation. Text-books: Voltaire's Zadig, Halevy's L'abbé Constantin. Credit, 3 hours.

FRENCH 16. A course in composition and oral exercises. Text-books: Levi's Prose Composition; Augier's LeGendred de Monsieur Poirier. Credit, 3 hours.

FRENCH 17. Translation of About's Le Roi des Montagnes; Greville's Dosia, Sand's La Petite Fadette; practice in intonation. Credit, 3 hours.

FRENCH 21. Hugo's Les Miserables with a study of Victor Hugo's life and works. Credit, 3 hours.

FRENCH 22. Survey of French Literature. An outline course treating of the main significant literary movements; lectures; class-room work; reading and reports. Credit, 3 hours.

FRENCH 23. Contemporary novel and short story. Anatole France; Pierre Loti, etc.; class-room work; collateral reading and reports. Credit, 3 hours.

FRENCH 31. The Classical Drama. Corneille's *Cid*, Racine's *Andromaque*. Credit, 2 hours.

FRENCH 32. Modern Drama; lectures and assigned reading. Credit, 2 hours.

FRENCH 33A. Rapid reading of modern prose fiction; advanced composition; conversation. Credit, 2 hours.

FRENCH 33B. Teachers Course. A course open to those with a good reading knowledge of French, with emphasis on essential methods and principles. Credit, 2 hours.

### SPANISH

*Professor Caruthers and Professor Lippelt*

SPANISH 11. A first term course in essential elements of Spanish covering DeVitis' Grammar and selections from the "Spanish Reader" by Roessler and Remy. Credit, 5 hours.

SPANISH 12. A continuation of Spanish 11 with added work in idioms, construction and prose composition. Text-book: *A Trip to South America*. Credit, 5 hours.

SPANISH 13. A continuation of Spanish 12 with more advanced composition and translation; *Cuentos Modernos*. Credit, 5 hours.

SPANISH 15. Translation: *Cuentos Castellanos*; Valdes' *El Capitan Ribot*. Credit, 3 hours.

SPANISH 16. Spanish Commercial Correspondence. Translation, Altamirano's *La Nivada en las Montanas*. Credit, 3 hours.

SPANISH 17. Cabellero's *Un Servilon y Un Liberalito*. Taboada's *Cuentos Alegres*. Credit, 3 hours.

SPANISH 21. Valdés's *José*. Alarcon's *Novelas Cortas Escogidas*. Credit, 3 hours.

SPANISH 22. Cervantes's *Don Quijote*. Credit, 3 hours.

SPANISH 23. Valdés's *La Hermana San Sulpicio*. Credit, 3 hours.

## DEPARTMENT OF SCIENCES AND MATHEMATICS

### CHEMISTRY

*Professor Sieplein, Professor Hoyt*

CHEMISTRY 11. This is a one-term course designed to give an understanding of the principles which have made modern chemistry possible and to form a ground work for later studies in both inorganic and organic chemistry. It affords an opportunity for a general survey of chemistry for those students who are unable to specialize in the science.

The work consists of the development and application of the theories of chemistry, e. g. the Kinetic molecular hypothesis; chemical equilibrium and the law of mass action; electrolytic dissociation and its use as a guide to the chemistry of solution; the study of valence and the processes of oxidation and reduction. Text-books: Hildebrand's Principles of Chemistry; Bray and Rosenstein's Laboratory manual of general chemistry, exercises 1 to 13, 17. Prerequisite: Chemistry, 1 unit. 3 recitations and 2 laboratory periods a week.

Credit, 5 hours.

Professor Sieplein.

In the later work in General Chemistry, the principles studied in the first term are used as a means of classifying the properties and reactions of inorganic compounds. The aim of the laboratory work is to develop a thorough understanding of the reactions involved in the methods of qualitative analysis. Stoichiometric principles and chemical equations are given large place in this course which is taught as Chemistry 12 and Chemistry 13.

CHEMISTRY 12. The class work deals with the nonmetallic elements. The metallic elements are studied in the laboratory. Text-books: Smith's General Chemistry for Colleges, Revised, chapters 1 to 22; Bray and Rosenstein's Laboratory Manual of General Chemistry, completed; Stieglitz's Qualitative Analysis Volume 2, metallic ions. Prerequisite: Chemistry 11.



3 recitations and 2 laboratory periods a week'. Credit, 5 hours.  
Professor Sieplein.

CHEMISTRY 13. The class work completes the study of the non-metallic elements and deals with the commercial applications of the metals. The laboratory work consists of a study of the acid ions, and the development of the schemes for qualitative analysis; six simple unknown mixtures of at least three substances each are analyzed for both acid and basic constituents. Text-books: Smith's General Chemistry for Colleges, revised chapters 23 to 45; Stieglitz's Qualitative Analysis, Volume 2, completed. Prerequisite: Chemistry 12. 3 recitations and 2 laboratory periods a week.

Credit, 5 hours.  
Professor Sieplein.

CHEMISTRY 14. Qualitative Analysis, elementary course. The study of the various types of equilibria and the properties of the elements as a basis for qualitative schemes. Text-books: Morgan's Qualitative Analysis; Bailey and Cady's Qualitative Analysis. 3 recitations and 2 laboratory periods a week.

Credit, 5 hours.  
Professor Hoyt.

CHEMISTRY 17A. Chemical Arithmetic. Practice in the calculations involved in general chemistry. This course must precede Chemistry 11 or in the case of students presenting Chemistry for entrance must be taken during the same term as Chemistry 11. Text-book: Hale's Calculations of Chemistry. 3 recitations.

Credit, 3 hours.  
Professor Hoyt.

CHEMISTRY 18. An Elementary course in Organic Chemistry designed, primarily, for those preparing for Medical Schools. The work deals very largely with the aliphatic compounds. Text-books: Cohen's Theoretical Organic Chemistry, and Cohen's Practical Organic Chemistry. Prerequisite: Chemistry 11, 12, 13. 5 recitations and 2 laboratory periods a week.

Credit, 7 hours.  
Professor Sieplein.

Additional laboratory work can be arranged from those desiring it.

CHEMISTRY 21. Advanced Qualitative Analysis. A course dealing with the methods and theory of qualitative separ-

ations and identifications. Special emphasis is laid on the modern theories of physical chemistry as applied to the reactions of the metallic ions. Text-book: Stieglitz's Qualitative Chemical Analysis, Vol. I and II. 3 recitations and 2 laboratory periods.

Credit, 5 hours.

Professor Hoyt.

CHEMISTRY 22. Elementary Qualitative Analysis. A course in the principles and methods of quantitative analysis. The methods carried out in the laboratory are designed to be representative of various types of gravimetric, volumetric, electrolytic, and absorption methods. Lectures and laboratory. 3 recitations and 2 laboratory periods a week.

Credit, 5 hours.

Professor Hoyt.

CHEMISTRY 23. Advanced Qualitative Analysis. Methods and practice in the analysis of rocks, ores, alloys, coal, cement, iron, steel, and other commercial materials. The laboratory work can be modified to meet the needs of individual students. Lectures and laboratory. 3 recitations and 2 laboratory periods a week.

Credit, 5 hours.

Professor Hoyt.

CHEMISTRY 24. Qualitative Theories. A study of the applications of electrolytic dissociation to the problems of qualitative analysis. This is designed to give the student unable to take Chemistry 11, 12, and 13, an idea of the importance of ions in chemical reactions. Text-book: Stieglitz's Qualitative Analysis, Volumes I and II. 3 recitations and 2 laboratory periods a week.

Credit, 5 hours.

Professor Hoyt.

CHEMISTRY 31. Industrial Chemistry. The study of the chemical and engineering phases in the manufacture of various products. The technology of fuels, acids and alkalies, cement, pottery, fertilizers, paint, varnish and explosives are considered. Text-book: Roger's Elements of Industrial Chemistry. 3 recitations.

Credit, 3 hours.

Professor Hoyt.

CHEMISTRY 32. Industrial Chemistry. The manufacture of coke and illuminating gas, coal tar by-products, dye stuffs, petroleum products, soap and fats, essential oils, rubber, sugar and starch, alcohol, textiles, paper and leather. Text-

book: Roger's Elements of Industrial Chemistry. 3 recitations.

Credit, 3 hours.

Professor Hoyt.

CHEMISTRY 33. Industrial Chemistry. A study of the metallurgy of iron and steel. The heat balance in the furnace and the furnace reactions are thoroughly studied. The student is given practice in metallography and is shown its importance. A trip to neighboring cities is arranged each year where the opportunity is afforded of observing the processes in operation on a commercial scale. Text-book: Wysor's Metallurgy. 3 recitations.

Credit, 3 hours.

Professor Hoyt.

CHEMISTRY 41. Principles of Organic Chemistry. A brief study of the principles and most prominent compounds of Organic Chemistry, as a preparation for later intensive work. Text-book: Chamberlain's Organic Agricultural Chemistry, part one. Prerequisite: Chemistry 11, 12, 13. 2 recitations a week.

Credit, 2 hours.

Professor Sieplein.

CHEMISTRY 42. Organic Chemistry; Aliphatic Compounds. A detailed study dealing with the alcohols, acids, sugars, compounds containing nitrogen and sulfur. The laboratory assignment is the preparation of fifteen compounds. Text-books: Holleman's Textbook of Organic Chemistry; Cohen's Practical Organic Chemistry. Prerequisite: Chemistry 41. 3 recitations and 2 laboratory periods a week.

Credit, 5 hours.

Professor Sieplein.

CHEMISTRY 43. Organic Chemistry; Aromatic Compounds. A course similar to Chemistry 42 but dealing with cyclic compounds used as drugs and dyes. Text-books: Holleman's Text-book of Organic Chemistry; Cohen's Practical Organic Chemistry. Prerequisite: Chemistry 42, or Chemistry 18. 3 recitations and 2 laboratory periods a week.

Credit, 5 hours.

Professor Sieplein.

CHEMISTRY 45. Physical Chemistry. The theories of matter, atomic hypothesis, and the theories of solution. Lectures are supplemented by problems and laboratory experiments. Text-books: Bigelow's Theoretical and Physical Chemistry;

Knox's Physico-Chemical Calculations. 3 recitations and 1 laboratory period a week. Credit, 4 hours.

Professor Hoyt.

CHEMISTRY 46. Physical Chemistry. Liquids, solids and solutions. 3 recitations and 1 laboratory period a week.

Credit, 4 hours.

Professor Hoyt.

CHEMISTRY 47. Physical Chemistry. Chemical dynamics, electrochemistry, thermochemistry, and actinochemistry. 3 recitations and 1 laboratory period a week.

Credit, 4 hours.

Professor Hoyt.

CHEMISTRY 1. Elementary Course in Chemistry. A study of important non metals together with the atomic theory. 3 recitations and 2 laboratory periods.

Credit, 3 hours.

Professor Hoyt.

CHEMISTRY 2. Elementary Course, second term. The metals are taken up in connection with the periodic law. Industrial processes utilizing chemistry are stressed. 3 recitations and 2 laboratory periods.

Credit, 3 hours.

Professor Hoyt.

CHEMISTRY 4. A general course dealing with the fundamental theories of chemistry. The non metals are first considered and then the metals. 5 recitations and 4 laboratory periods.

Credit, 6 hours.

Professor Hoyt.

## PHYSICS

*Professor Harmon, Professor Biles*

PHYSICS 21A. Properties of matter and elementary theory of mechanics. Text-books: Kimball's College Physics; Conrad's Laboratory Manual with the experiments amplified and supplemented. Prerequisite: Mathematics 11, Physics, 1 unit. 3 recitations and 1 laboratory period a week. Credit, 4 hours.

PHYSICS 22A. Elementary theory of heat, magnetism and static electricity. Prerequisite: Physics 21A. 3 recitations and 1 laboratory period a week. Credit, 4 hours.

PHYSICS 23A. The elements of current electricity, sound and light. Prerequisite: Physics 22A. 3 recitations and 1 laboratory period a week. Credit, 4 hours.



PHYSICS 21B, 22B, 23B, are courses paralleling the above, designed for students who have not completed preparatory physics, or, those who need additional laboratory practice. This additional laboratory practice is necessary for those intending to meet the requirements for entrance to medical schools. The theory is presented with this requirement in mind. The same laboratory manual is used but 50 experiments are required for the complete course. Credit, 5 hours each term.

PHYSICS 21, 22, and 23 afford a general course in which a student becomes familiar with the elementary principles of the science and their applications. The subject matter is presented through the means of very fully illustrated experimental lectures in which the lantern is much used. The student is frequently referred to the departmental library. He is required to solve a large number of problems and write reports on his laboratory work. Two weeks of weather observation is included in the laboratory course.

PHYSICS 25, Physics 26, and Physics 27 constitute a course in Household Physics corresponding to the above in all essential respects, but with the special stress on the application of physics to the home. Text-book: Lynde's Physics of the Household. The course is arranged with 1 or 2 laboratory periods. 3 recitations a week. Credit, 4 or 5 hours.

PHYSICS 31. Elementary Mechanics and Heat; Mechanics of Solids. Text-book: Franklin and McNutt's Mechanics and Heat. Special and selected. Experiments from standard manuals for college physics. Prerequisite: Physics 23. 2 recitations and 1 laboratory period a week. Credit, 3 hours.

PHYSICS 32. A continuation of Physics 31; Mechanics of Fluids and Heat. Prerequisite: Physics 31. 2 recitations and 1 laboratory period a week. Credit, 3 hours.

PHYSICS 33 Electricity and Magnetism. Text-book: Franklin and McNutt's Electricity and Magnetism. Prerequisite: Physics 32. 2 recitations and 1 laboratory period a week. Credit, 3 hours.

PHYSICS 31, 32, 33 afford a more technical course than Physics 21, 22 and 23, and are an introduction to Theoretical and Practical Physics. The many problems used are of an especially practical nature and of greater difficulty than those of Physics



21, 22, and 23. 30 laboratory experiments are required in the year's work. These are more thorough and of greater difficulty than those of the elementary course. They require the use of more accurate apparatus and demand greater skill of manipulation and observation. The reports cover the theory and the analysis of data in a thorough manner.

PHYSICS 41. Teachers' course in Physics. Text-book: Twiss: The Teaching of Science. Prerequisite: Physics 23. Credit, 2 hours.

PHYSICS 42. Continuation of Physics 41. Prerequisite: Physics 41. Credit, 2 hours.

PHYSICS 43. Continuation of Physics 42. Prerequisite: Physics 42. Credit, 2 hours.

PHYSICS 41, 42 and 43 are intended for those preparing to teach high school physics. The work consists of a discussion of the methods of teaching of courses, of text-books, of catalogues of supply houses, of the equipment of the laboratory, of care and construction of apparatus, of direction of the laboratory work and of giving experimental lectures before a class. In general the point of view taken is that of the teacher.

PHYSICS 47A. Radio-Telegraphy: A descriptive and practical course dealing further than in 23 and 33 with the principles of electrostatic and electromagnetic induction, and of the electron and electromagnetic wave theories. Laboratory work will consist of the measurement of the various capacities and inductances of the receiving and sending apparatus, wave length of aërials, etc., the practice of the code, and of sending and receiving. Text-book: Bucher's Practical Wireless Telegraphy. Taught Spring term, 1919. 3 recitations and 2 laboratory and code practice periods a week. Credit, 4 hours.

PHYSICS 47B. Light and Sound. A course corresponding to Physics 31, 32, and 33, being of the same grade and character. Text-book: Franklin and McNutt's Light and Sound. Taught in the Spring Term, 1920. Prerequisite: Physics 23. 2 recitations and 1 laboratory period a week. Credit, 3 hours.

The following courses in Elementary Physics are offered:

PHYSICS 1. Elementary Physics, first term. Class lectures and recitations on the elements of mechanics and heat,

with twenty laboratory experiments. Text-book: Mann and Twiss. Taught in the Spring and Summer terms. 3 recitations and 2 laboratory periods a week. Credit, 3 hours.

PHYSICS 2. Elementary Physics, second term. A continuation of physics 1. Lectures on electricity, magnetism, sound and light, with ten laboratory experiments. Taught in the Summer term. 3 recitations and 2 laboratory periods a week.

Credit, 3 hours.

### ASTRONOMY

*Professor Harmon*

ASTRONOMY 35. Astronomy: A short but intensive descriptive course, dealing with the systems of references cycles, the earth as a heavenly body, the moon, the sun, planets, stars and nebulae. Text-book: Young's Manual. Taught Fall and Summer terms. Credit, 5 hours.

ASTRONOMY 36. Meteorology: A brief study of the phenomena of the atmosphere, the weather map and weather forecasting. Text-book: Milham's. Taught in the Winter term. Credit, 5 hours.

### MECHANICAL DRAWING

*Professor Harmon*

The aim of the first year course is to become familiar with the various styles of lettering and to acquire skill in their formation, to become familiar with the drawing instruments and their use and to apply them in making geometrical drawings and projections used in the solution of the problems given in the course.

First term. Free hand drawing, lettering and geometrical drawing. Thompson: Books 1 and 2. Credit, 5 hours.

Second term. Projection and perspective: advanced lettering. Tracey. Credit, 5 hours.

Third term. Continuation of the second term work.

Credit, 5 hours.

The intent of the second year work is to give the student such knowledge as will prepare him to pursue a course in engineering and such practice in drawing as will qualify him to do ordinary commercial work.

First term. Free hand sketching of machine parts, and

scale drawing of the same. Credit, 5 hours.

Second term. Complete drawing of machines.

Credit, 5 hours.

Third term. Elementary Machine Design. Credit, 5 hours.

Advanced work in machine design and mechanism is arranged to meet the needs of the student.

## BIOLOGY

*Miss Wing*

The biological work as here outlined aims to deal with three classes of students. To those who desire general knowledge of biological subjects are recommended Courses 11, 12, 13, 16 and 17.

Those who are planning to enter medical schools should choose Courses 11, 16 and 17. These cover the standard requirements of the best schools.

Those who intend to teach Biology or to specialize in the science should, after the required Freshman preparation, elect from among Courses 21, 22, 23, 32, 33, 41, 42, 43.

Students presenting Biology as a major for degree B. S. are required to present Biology 21, 22, 23 or Biology 31, 32, 33 or Biology 41, 42, 43.

**BIOLOGY 11.** General Biology. This course is introductory to both botany and zoology. A study of the general principles and laws in accordance with which living structures develop, and carry on their activities. A fundamental course for those who are unable to take up the more extended work. 3 recitations, 2 laboratory periods a week. Credit, 5 hours.

## BOTANY

*Miss Wing*

**BIOLOGY 12.** General Botany. A study of the development, structure, and physiology of the higher plants. Text-book: Percival's Agricultural Botany. Prerequisite: Biology 11 or equivalent. 3 recitations, 2 laboratory periods a week.

Credit, 5 hours.

**BIOLOGY 13.** General Botany, second term. This course aims to familiarize the student with the lower groups of plants, being a resume of the algae, fungi, mosses, and ferns. It deals

especially with plant development, structure and relationships. Text-book: Percival's Agricultural Botany. Supplementary reading. Prerequisite: Biology 11. 3 recitations, 2 laboratory periods a week. Credit, 5 hours.

BIOLOGY 21. Morphology of Thallophytes. A systematic and comparative study of the algae and fungi. Text-books: Coulter, Barnes and Cowles, Volume I, Part I, supplemented by reference work. Prerequisite: Biology 13 or equivalent. 2 recitations, 2 laboratory periods a week. Credit, 4 hours.

BIOLOGY 22. Morphology of Bryophytes and Pteridophytes. Correlative with Biology 21. A systematic study of the liverworts, mosses, ferns, and the fern allies. Text-books: Coulter, Barnes and Cowles, Volume I, Part I. Prerequisite: Biology 13 or equivalent. Biology 21 is advised. 2 recitations, 2 laboratory periods a week. Credit, 4 hours.

BIOLOGY 23. Morphology of Spermatophytes. This course is a continuation of Biology 21 and 22, but deals with the higher plants (gymosperms and angiosperms) living and fossil. Text-books: Coulter, Barnes and Cowles, Volume I, Part I. Prerequisite: Biology 22. 2 recitations, 2 laboratory periods a week. Credit, 4 hours.

BIOLOGY 26. Evolution, Genetics, Eugenics. Review of prominent theories of organic evolution; prominent theories of heredity and a study of recent work in genetics; the whole summarized in a comparative treatment of eugenics; reference reading and a number of short papers. Text-book: Walter's Genetics. Credit, 3 hours.

BIOLOGY 27A. Applied Ecology. A general course in crop adaptation, dealing with the origin, culture, and pathology of our most important economic plants; reference reading and a term paper. Credit, 3 hours.

BIOLOGY 27B. Systematic Botany. A study of plant species of this region; a comparative study of plant parts from a phylogenetic viewpoint. Text-book: Gray's New Manual of Botany. Recitation and field work. Credit, 2 hours.

BIOLOGY 41. Botanical Microtechnique: A course dealing with the methods of collecting, killing, fixing, imbedding, sectioning; theory and principles of staining. Text-book: Chamberlain's Methods in Plant Histology. Prerequisite:



Biology 12 or 13. Biology 21, 22, 23, are advised. 1 recitation, 3 laboratory periods a week. Credit, 4 hours.

BIOLOGY 42. Animal Microtechnique. This course is correlative with Biology 41, but deals with the preparation and study of animal tissues. Text-book: Guyer's Animal Micrology. Prerequisite: Biology 16 and 17. 1 recitation and 3 laboratory periods a week. Credit, 4 hours.

BIOLOGY 43. Cytology. A careful study of the cell in development, structure, reproduction, and heredity; lectures, reference reading and a term paper. Text-book: Wilson's The Cell. 1 recitation, 3 laboratory periods a week. Credit, 4 hours.

### ZOOLOGY

*Miss Wing*

BIOLOGY 16. General Invertebrate Zoology. This course deals with chosen representatives of the invertebrate phyla, special attention being given to anatomy and life histories as evidences of relationship. Text-book: Hegner's College Zoology. Prerequisite: Biology 11 or equivalent. 3 recitations, 2 laboratory periods a week. Credit, 5 hours.

BIOLOGY 17. General Vertebrate Zoology. Comparative anatomy and development of chosen representatives of the vertebrate classes. Text-book: Hegner's College Zoology. Prerequisite: Biology 11 or equivalent. 3 recitations, 2 laboratory periods a week. Credit, 5 hours.

BIOLOGY 31. Invertebrate Zoology. A systematic survey of the invertebrates; class room dissections of representative forms; lectures on the embryology and the phylogeny of the various groups; reference reading and text-book work. Text-book: Hertwig's Manual of Zoology. 2 recitations and 2 laboratory periods a week. Credit, 4 hours.

BIOLOGY 32. A continuation of Biology 31. Special emphasis will be laid on the insects and their allies. Prerequisite: Biology 31. 2 recitations and 2 laboratory periods a week. Credit, 4 hours.

BIOLOGY 33. Vertebrate Morphology. A continuation of Biology 32, but dealing with the vertebrates. Prerequisite: Biology 32. 2 recitations and 2 laboratory periods a week.

Credit, 4 hours.



## MATHEMATICS

*Professor Ramsey, Professor Biles, Mrs. Ritchey*

**MATHEMATICS 11.** Plane Trigonometry. This course presupposes a good working knowledge of elementary algebra, intermediate algebra through quadratics, and plane geometry. Special emphasis is laid upon the solution of the right triangle, the solution of the oblique triangle, and the acquiring of facility in the use of logarithms. The aim of this course is to acquaint the student with the fundamental definitions, laws, and relations in plane trigonometry sufficiently, not only to enable him to solve problems in plane triangles with facility, but also to pursue more advanced courses successfully. Text-book: Rothrock's Plane and Spherical Trigonometry with tables, Chapters 1-8. Prerequisite: Algebra,  $1\frac{1}{2}$  units; Geometry, 1 unit. Credit, 4 hours.

**MATHEMATICS 12.** College Algebra, First Course. The prerequisites for this course are the same as for Mathematics 11. Fundamental notions and definitions are emphasized, some topics from intermediate algebra are reviewed and treated more critically, and an introduction is given to a few topics of more advanced work. The aim of this course is to train the student in more critical thinking, and to help him to gain an insight into and power to deal with quantitative relations in general. Text-book: Skinner, chapters 1-8. Prerequisite: Algebra,  $1\frac{1}{2}$  units; Geometry, 1 unit. Credit, 4 hours.

**MATHEMATICS 13.** College Algebra, Second Course. This course is a continuation of Mathematics 12 in matter, aim, and method. Among the topics studied are: complex numbers, theory of equations, infinite series, permutations and combinations, probability, and determinants of the fourth order. Text-book: Skinner. Prerequisite: Mathematics 12. Credit, 4 hours.

**MATHEMATICS 21.** Analytic Geometry, First Course. An introduction to the analytic geometry of two dimensions which presupposes a good working knowledge of plane trigonometry and the first course in college algebra. The work includes a study of Cartesian co-ordinates, loci, the straight line, the circles, polar co-ordinates, and transformation of co-ordinates.

Text-book: Ashton. Prerequisite: Mathematics 21. Credit, 3 hrs.

MATHEMATICS 22. Analytic Geometry. Second Course. A continuation of the work begun in the first course, including a study of conic sections, tangents and normals, diameters, poles and polars, the general equation of the second degree, and higher plane curves. Text-book: Ashton. Prerequisite: Mathematics 21. Credit, 3 hours.

MATHEMATICS 23. Advanced Trigonometry. The greater part of the term is devoted to a study of spherical trigonometry. The solution of right and oblique spherical triangles and their applications to navigation and astronomy are studied. A few advanced topics from plane trigonometry are treated in the latter part of the course. Text-book: Rothrock. Credit, 3 hours.

MATHEMATICS 25. Plane Surveying. The class work is supplemented by field work in which the practical phase of the work is emphasized. The field work for the course includes the measurement of vertical angles and horizontal angles, compass surveys of areas, transit survey of areas, relocation of lost corners, leveling for profile and grading for sewers. The class work will include the solution of problems from the data obtained, as well as extended problem work from the text. Text-book: Breed and Hosmer's Principles and Practice of Surveying, Vol. I. 2 recitations and 1 hour of field work. Credit, 3 hours.

MATHEMATICS 26. Advanced Surveying. This will include precise methods, laying out city lots, laying out of railroad curves, railroad grading, street and public road surveying, and, at the latter part of the term, detailed work in topography by approximate and by stadia methods. Text-book: Breed and Hosmer's Principles and Practice of Surveying, Vol. I and II. Prerequisite: At least one term of Mechanical Drawing is advised. 2 recitations and 2 hours of field work.

Credit, 4 hours.

MATHEMATICS 32. Differential Calculus: An introductory course with applications of the fundamental principles to the solution of problems in geometry, maxima and minima, points of inflection and curve tracing. Expansion of functions and infinite series are also considered. Text-book: Granville's

Elements of the Differential and Integral Calculus. Prerequisite: Mathematics 21. Credit, 3 hours.

MATHEMATICS 33. Integral Calculus: An elementary course presupposing a good working knowledge of the elements of the differential calculus as given in Mathematics 32. The course includes applications of the principles of integration to the solution of simple problems in geometry, mechanics, and physics. Text-book: Granville's Elements of the Differential and Integral Calculus. Prerequisite: Mathematics 32.

Credit 3 hours.

In addition to the above collegiate courses in mathematics there will be offered, from time to time, when there is a sufficient demand for them, the following advanced courses, which may be arranged either as two or three hour courses:

MATHEMATICS 34. Calculus III: A continuation of the work in calculus including selected topics from both differential and integral calculus, with emphasis upon the application of the integral calculus. Text-book: Granville. Prerequisite: Mathematics 33. Credit, 3 hours.

MATHEMATICS 37. Analytical Mechanics. Prerequisite: Mathematics 33. Credit, 3 hours.

MATHEMATICS 39. History of Mathematics. Prerequisite: Mathematics 33. Credit, 3 hours.

MATHEMATICS 41. Solid Analytics. Prerequisite: Mathematics 22. Credit, 3 hours.

MATHEMATICS 42. Theory of Equations. Prerequisite: Mathematics 32. Credit, 3 hours.

MATHEMATICS 44. Limits and Series. Prerequisite: Mathematics 33. Credit, 3 hours.

MATHEMATICS 47. Differential Equations. Prerequisite: Mathematics 33. Credit, 3 hours.

Classes in the following subfreshman courses in Mathematics are formed if the need arises:

MATHEMATICS 1. Elementary Algebra, first term. The work extends to fractions. Text-book: Milne's Standard Algebra. Five recitations. Credit, 3 hours.

MATHEMATICS 2. Elementary Algebra, second term. A review of factoring; work to quadratic equations. Text-book:

Milne's Standard Algebra. Prerequisite: Mathematics 1. Five recitations. Credit, 3 hours.

MATHEMATICS 3. Intermediate Algebra. Review of the work of the previous terms; thorough drill in quadratics. Text-book: Milne's Standard Algebra. Prerequisite: Mathematics 2. Five recitations. Credit, 3 hours.

MATHEMATICS 4. Plane Geometry, first term. Books 1 and 2. Text-book: Wentworth's Plane and Solid Geometry (Revised). Prerequisite: Mathematics 2. Five recitations. Credit, 3 hours.

MATHEMATICS 5. Plane Geometry, second term. Books 3 to 5. Text-book: Wentworth's Plane and Solid Geometry (Revised). Prerequisite: Mathematics 4. Five recitations. Credit, 3 hours.

MATHEMATICS 6. Solid Geometry. Text-book: Wentworth's Plane and Solid Geometry (Revised), Books 6 to 8. Prerequisite: Mathematics 5. Five recitations. Credit, 3 hours.



## DEPARTMENT OF MILITARY SCIENCE AND TACTICS

In the history of the college, military training has a prominent place. It was first begun in 1891 under the direction of the War Department and continued until the year 1909-10. At this time the corps was abandoned and for eight years there was no Military Department.

With the beginning of the World War, and because of the feeling of many that we would eventually join in the conflict, the thoughts of the college authorities were again directed toward military training.

In 1916 the College was inspected by an Officer of the United States Army and was recommended to the War Department for the establishment of a unit of the Reserve Officers Training Corps. The War Department intimated that if the College would wait until March or April of 1917 a line officer of the army would be sent and the work would start under more auspicious circumstances. This the College decided to do. This country, however, entered the war early in April and the result was that it was impossible for the Government to render any effective aid to the colleges of the country. In spite of the fact that there seemed to be great difficulties in the way, the Board of Trustees determined that the young men of the College ought to have the benefit of military training and authorized the Military Committee of which Mr. J. Howard Pew of Philadelphia is Chairman, to make the necessary arrangements for the introduction of military training for the ensuing year. A competent instructor was secured to take charge of the training battalion and training rifles of the most approved pattern were furnished the College through the generosity of the Pew Estate.

The results of military training last year were unusually satisfactory. All of the men of the College were in uniform and took the training. Many of them entered national service and almost without exception they have pronounced the training they received in College to have been of inestimable benefit to them.

During the spring the Secretary of War announced to the



Colleges that the Government was preparing to establish military training at all colleges in the country where the enrollment of male students above the age of eighteen totaled one hundred. The men under this plan were to be enrolled in a reserve. They were to be subject to call but the plan was not to call them into active service until they reached the age of twenty-one. They were to receive military training and uniforms at the expense of the Government but were to get no other monetary assistance.

This plan was followed until the middle of August. At that time the change in the draft law made it necessary to completely revise the former plan. The Committee on Education of the War Department which had charge of all the work of the Students Army Training Corps announced that the young men who enrolled under the new plan would be considered privates in the army, would be housed, clothed and subsisted at the expense of the Government and would receive a private's pay of \$30.00 a month. The War Department planned to call all men within the draft ages into active service before the close of the current school year and ordered that these men should be given intensive courses in subjects which would be of distinct military value.

At the opening of the Fall Term the work of the S. A. T. C. Unit was begun and in a short time there were two hundred and thirty three enlisted men busily engaged in the effort to prepare themselves as officer candidates or for some other special line of service. The S. A. T. C. was planned to act as one of the first reservoirs into which the young men should be placed and in which they should receive the rudiments of military training. Individual ability and capacity for accepting responsibility would then decide each man's military future. The plan included not alone development along military lines but afforded an opportunity for educational development.

The Unit was just beginning to run smoothly when the order for demobilization was published and in two weeks time all the men were discharged. The life of the S. A. T. C. was only long enough to show the immense possibilities inherent in the plan and there is no doubt that if the emergency had continued longer the Students Army Training Corps would have fully justified the efforts to bring it into existence.

Almost coincident with the demobilization of the S. A. T. C.,

came the reestablishment of the Reserve Officer's Training Corps in those colleges which had had such units. On account of the approval of this college by the War Department in 1916, Grove City College was placed among the first to receive new units, and the authority for its establishment was definitely given in December, 1918. The work of the R. O. T. C. is to cover from three to five hours a week throughout the four years of a student's course. The Government furnishes uniforms and equipment and during the last two years may pay qualified men the equivalent of an army ration. The men who complete the full course and are qualified will be given commissions in the United States Reserve.

The College feels that military training is a distinct advantage to any man and that in the establishment of the R. O. T. C. here, it is meeting a double need, that of the nation and of the individual.

## DEPARTMENT OF ATHLETICS AND PHYSICAL TRAINING

*Director: Howard M. Acher*

*Medical Advisor: Dr. B. A. Montgomery*

*Instructor for Women: Miss Evelyn Pew Lockhart*

All forms of athletics at the college are under the direct supervision of the athletic director and medical adviser. The coach, who is a regular member of the faculty, accompanies the teams on all trips away from the college.

By this arrangement the college aims not only to foster and encourage athletics by providing a coach of wide athletic experience, but also to safe-guard the health and mind of the students by placing them under the instruction and care of a competent and responsible official of the college. Systematic physical training according to sound physical hygienic principles is offered to all, although a general participation in out-door and indoor athletics is encouraged. Students are permitted to remain on the athletic teams only so long as athletics do not interfere with the pursuit of their studies. The rules governing intercollegiate contests apply to all athletic teams. The forms of athletics in which the college participates are foot-ball, basket ball, base-ball, track and tennis. The control of athletics is in the hands of an Athletic Committee appointed from the Faculty by the President. The direct management is by a student manager working under a joint committee of seven; two members from the Faculty, two members from the Alumni and three members from the Student Body.

### ATHLETICS FOR WOMEN

The opportunity for physical development is too often confined to men. Grove City College believes that it is equally important that physical training be provided for young women and for that reason requires that all young women take some regular course in physical culture. The work is in charge of Miss Lockhart who has spent three years in special preparation for this work. Various forms of exercise may be elected; such as tennis,

basket-ball, swimming, field hockey, folk dancing, or gymnastics. The gymnasium, which is entirely modern and fully equipped, has added much to the physical training of the young ladies, not only in extent, but also in pleasantness. The building is given over completely to the ladies for four full afternoons each week. In the past, gymnasium exhibitions have been held in which the development of the students has clearly shown the advantages of physical instruction.

## SECRETARIAL AND BUSINESS COURSE

For many years a Commercial Department has been maintained by the College. Hundreds of young men and women have received training in this department which has assisted them in their business careers.

Feeling, however, that the time had come when the work should be expanded and more thoroughly organized, the Board of Trustees recommended that a two years Secretarial Course to compare with those offered in the largest and most favorably known institutions in the land be inaugurated in the fall term of 1917. The action, although contemplated for some time and actually taken before the outbreak of the war, came at a most opportune time in the growth and development of the country. There is no question but that the opportunities for young men and especially young women who are trained for business careers will be greater in the future than ever before in the past.

In character, the course is designed to give the student a thorough knowledge of the principles of bookkeeping, of stenography and typewriting, and of allied subjects. During the first year special emphasis will be placed on the technical side of the work. Moreover, the student will receive a thorough drill not only in Business English and Business Correspondence but will have the advantages of receiving college courses in English throughout both years. The importance of such courses can hardly be overestimated. They should give the student not only a knowledge of the technique of the language but also an appreciation of good English and the ability to use the mother tongue correctly.

During the second year thorough courses in Economics, Banking, Commercial Law, Commercial Geography, in addition to the courses in college English, have been introduced to widen the student's knowledge and to give him training in those subjects which are most essential in modern business.

For those who give satisfactory evidence of the completion of any considerable portion of the course, an opportunity will be given to substitute college subjects such as Languages, History, English, etc.



All students who are candidates for graduation in this Secretarial Course will be required to be high school graduates or to satisfy the Committee on admission to the College that they have the equivalent preparation. Students desiring special work and who do not wish to complete the entire course may be admitted with the consent of the college authorities. No diploma will be granted unless the requirements of the course are fulfilled.

### SPECIAL ADVANTAGES

1. The opportunity of pursuing a business course under the best Christian influences.
2. The stimulus incident to association with earnest students in the College.
3. The opportunity of taking literary studies in connection with the business course.
4. The comparative safety of a student from the vices and allurements of a large city.
5. Access to the college library and reading room, the advantage of literary and musical societies at the College, and the free use of all facilities provided for the college students.
6. Opportunities to use the gymnasium including the swimming pool, tennis courts, athletic facilities, etc., will be open to all students in the Secretarial Course.

### TUITION

The tuition is twenty-nine dollars for the term of twelve weeks and twenty-six dollars for the Summer Term of nine weeks. Tuition entitles the student to the use of the Gymnasium, to entrance to all athletic contests, and to care in the local hospital for a period not exceeding two weeks in case of illness.

A fee of five dollars each term will be required for the use of a typewriter. There are no other fees or extra charges except a diploma fee of five dollars paid upon graduation.

### BRIEF OUTLINE OF COURSES

English 11-12-13 \*. A thorough study of the principles of composition and rhetoric. Frequent papers are required and the work is carried on in small classes so that the individual student may receive class attention.

Oratory 11-12-13 \*, and the corresponding English courses are combined as one course. The purpose of introducing Oratory into the Secretarial Course is to give the student poise and training in clear enunciation and expression, as well as experience in appearing before an audience.

English 31-32-33 \*. These courses are courses in English Literature designed to give the student a knowledge of the various types and periods of English Literature. It is the belief of the College that such a course will do much to broaden one's general culture as well as giving one a knowledge of correct form and the usage of words.

Business Correspondence. This course will take up the various types of letters used in business and a discussion of the underlying principles. Special emphasis will be laid on the form letter as an advertising medium. The course will involve original work.

Economics. This course will take up the elementary economic principles which govern the business world. A thorough understanding of these principles is almost essential to clear business thinking.

Commercial Geography. This course will include a thorough study of the natural resources of various countries, of the products, including manufactured goods, trade routes, and commercial relations.

Drawing. An elementary course in mechanical drawing has been introduced into the secretarial course to give the student training in lettering, free hand drawing, and the use of the drawing pen. Such a course will be of undoubted benefit to the accomplished secretary.

Commercial Law. This course is designed to familiarize the student with the elements of Commercial Law, special emphasis being given to such subjects as the laws governing transactions, negotiable paper, agency, partnership, joint stock companies, corporations, insurance, interest, liens, tender, payment, real estate, conveyance, etc.

Salesmanship. This course will deal with the principles of personal salesmanship. Although salesmanship is rapidly be-

\* These courses are the same as those of the Collegiate Department and carry college credit.

coming a science, the importance of personality and of good common sense in selling, will not be lost.

**Advertising.** This course will present the fundamental principles of advertising and show its relation to business as a whole. It includes a study of advertising copy, rates, campaigns, media, trade marks and trade names, etc.

**Accounting.** Throughout the entire course, five hours each week will be devoted to accounting. Practical experience will be given in all phases of modern bookkeeping, including the use of all forms of negotiable paper and such documents as pertain to practical business. Banking, wholesaling, commission house work, jobbing work, corporation accounting, transportation, and general business principles will all receive attention. It will include the keeping of books and drawing up all kinds of business papers including drafts, notes, checks, mortgages, leases, deeds, co-partnership and other contracts, receipts, orders, and all such business forms as pertain to actual business.

**Business Arithmetic.** This course will include a study of the most important phases of arithmetic as related to business. Such subjects as foreign exchange, the metric system, percentage partnership statements, partial payment, etc.

**Penmanship.** Attention will be given to this important phase of the work throughout the entire course. The student will be required to take penmanship until a high degree of proficiency has been attained.

**Shorthand.** A course of five hours each week in Shorthand will be required during the first year. By the end of the first year the student will be expected to have mastered the mechanics of the subject and be able to take dictation.

**Dictation.** During the second year the student will be required to take dictation five hours each week. The aim will be to develop speed and accuracy and to familiarize the student with various types of commercial terms. A speed of five hundred words, taken in five minutes will be required for graduates.

**Office Methods.** The course will be devoted to the study of methods of filing, the use of the various office machines, including the adding machine, multigraph, duplicating machines, etc. Practical experience will be given the student in this work.

**Typewriting.** During the entire course the student will be

required to take typewriting. During the first year the student will be expected to develop speed, to write accurately and with facility. During the second year preparation of legal and commercial forms, as well as the transcription of all dictation will be required. A speed of fifty words a minute on the typewriter will be required for graduation.

Practical Office Experience. During the last year the student will be given practical office experience. Each student will be required to spend at least three hours each week for one term in an office where practical experience will be obtained. The College will arrange places and periods for each student.

### OUTLINE OF SECRETARIAL AND BUSINESS COURSE

#### FIRST YEAR

##### First Term

##### Second Term

##### Third Term

English 11, 4 hrs.  
Accounting, 5 hrs.  
Business Arithmetic  
2 hrs.  
Penmanship and Spell-  
ing, 3 hrs.  
Stenography, 5 hrs.  
Typewriting, 5 hrs.  
Physical Training, 2  
hrs.

English 12, 4 hrs.  
Accounting, 5 hrs.  
Business Arithmetic,  
2 hrs.  
Penmanship and Spell-  
ing, 3 hrs.  
Stenography, 5 hrs.  
Typewriting, 5 hrs.  
Physical Training, 2  
hrs.

English 13, 4 hrs.  
Accounting, 5 hrs.  
Business Arithmetic,  
2 hrs.  
Penmanship and Spell-  
ing, 3 hrs.  
Stenography, 5 hrs.  
Typewriting, 5 hrs.  
Physical Training, 2  
hrs.

#### SECOND YEAR

##### First Term

##### Second Term

##### Third Term

English 31, 3 hrs.  
Accounting, 5 hrs.  
Stenography, 5 hrs.  
Typewriting, 5 hrs.  
Business Correspond-  
ence, 2 hrs.  
Commercial Geogra-  
phy, 3 hrs.  
Physical Training, 2  
hrs.

English 32, 3 hrs.  
Accounting, 5 hrs.  
Stenography, 5 hrs.  
Typewriting, 5 hrs.  
Advertising, 2 hrs.  
Economics, 3 hrs.  
Physical Training, 2  
hrs.

English 33, 3 hrs.  
Accounting, 5 hrs.  
Stenography, 5 hrs.  
Typewriting, 5 hrs.  
Salesmanship, 2 hrs.  
Commercial Law, 3  
hrs.  
Physical Training, 2  
hrs.



## GROVE CITY CONSERVATORY OF MUSIC

*HERMAN POEHLMANN, MUS. D.*

*Director and Professor of Piano and Vocal, and Supervisor of  
the Piano and Vocal Teachers' Seminar*

*GUSTAV MEHNER*

*Professor of Pipe Organ, Piano, Composition, Harmony, Forms*

*JENNIE HASKELL GLENN*

*Instructor in Piano, History, Elements of Music, Music Dictation*

*ESTHER REYNOLDS*

*Violin and Viola*

The Grove City Conservatory of Music is affiliated with Grove City College. It is under the directorship of Doctor Herman Poehlmann, formerly professor in the Royal Conservatory, Dresden, Saxony. The courses of study provided are recognized by all capable of judging as the most approved of music schools generally. The high standard maintained in both instrumental and vocal music has brought the department into high repute among educated musicians. It has long been our ambition to afford facilities for instruction in music equal to those found in the larger Eastern schools. We confidently affirm that so far as the matter of instruction is concerned students have as good advantages for a musical education in Grove City College as in the very best conservatories of music.

The inexpensiveness of boarding, the comparatively low rates of tuition, the healthful and moral tone of the community, the stimulus incident to association with young men and women earnestly pursuing literary courses of study, together with the opportunity of taking studies in the sciences, the languages and the arts, make this place a most desirable one for those wishing to secure a thorough musical education.

### ADMISSION AND CLASSIFICATION

All the various subjects in the Music Conservatory, including Voice, Piano, Violin, Harmony, Counterpoint, Composition,



etc., are taught from the first step up to the special coaching of artists. Each applicant must pass an examination in order to be placed in the proper grade. Students may enter at any time, though it is desirable, especially for the *regular course students*, that they *should begin in the fall term*. All beginners are expected to take, besides their principal study, Elements of Music.

All students who are taking full course in Music will be required to have at least freshman collegiate standing.

### GRADUATION

*Each student is required to attend at least three years in succession in order to graduate.* Diplomas or certificates are given after the successful completion of any one of the courses prescribed in the various departments. They are conferred on those only who complete a full course and have attended the department at least three years. Those who have attained the Teacher's Diploma in Piano, Voice, Theory or Pedagogy, are then prepared to do advanced work and may secure diplomas in courses of study which will prepare them for independent development as pianists, violinists or vocal soloists.

Diplomas or certificates will be given:

A. For ability as teacher of piano, to students of the Piano-Seminar who have shown remarkable aptness in teaching, who have had for one year, at least a class in theoretical piano instruction, one year supervised piano instruction (giving of instruction to children, under care of the Director), have reached studies by Cramer, and have had at least two years' work in History and two years' work in Harmony and Forms of Music. According to the higher or lower ability in piano playing, different degrees are given, such as, for teaching beginning grade, for teaching lower and advanced middle grades, and for teaching lower and advanced higher grades.

In order to receive a certificate for ability as teacher of piano (a) beginning grade, the student must have finished two books from Cramer (Germer); Jensen, op. 32, book 1; Heller. Vol. II; Czerny, portions of Vols. II and III; Bach, Preludes; Mendelssohn's Songs without Words, partly; easier pieces from Schubert, Weber, Schumann, and at least one or two sonatas by Haydn, Mozart, Beethoven.

b. Low middle grade: Three books from Cramer; Jensen,

op. 32, books 1 and 2; Heller, Vols. II and III; Czerny, Vols. II and III; Bach, some French suites or two-voice inventions; pieces like the above and some modern composers.

c. Advanced middle grade: Four books from Cramer; Jensen, op. 32, books 1, 2 and 3; Heller, Vol. IV; Czerny, Vols. II and III; Bach. Harder pieces from Mendelssohn, Schubert, Weber, Schumann, and other modern composers.

d. Low advanced grade: Cramer; Clementi: Gradus ad Parnassum; Jensen, op. 32: Heller, Vols. IV and Czerny, Vols. II and III; Bach. More difficult pieces from preludes; pieces from classical, romantic and modern masters.

B. Fitness for independent development as a pianist, to such piano players as have reached the Seventh Grade in the Piano Course, have studied Counterpoint one year, and have shown such a thorough grasp of the subject that their future development may, without risk, be left to themselves.

C. For distinguished ability as a pianist, to such piano players as have reached the Eighth Grade of the Piano Course, have completed the work in Counterpoint, and have arrived at a high degree of proficiency in execution.

D. For ability as a teacher of vocal music, to students of the Voice-Seminar who have shown especial aptness in training the voice, have reached the Sixth Grade in Voice Culture, and have had two years' work in Music Theory and one year in Piano.

E. Fitness for independent development as concert singer, to students of voice culture, who have reached the Seventh Grade of the Voice Culture, the Fourth Grade in the Piano Course, have had two years' work in Music Theory, and have arrived at such a degree of proficiency in the use of the voice and such understanding of vocal principles and methods that their future development may, without risk, be left to themselves.

F. For ability as church soloist, to students of voice culture who have finished the sixth grade of the vocal course, third grade in Piano and have had two years' work in Music Theory.

This diploma is granted to members of the literary department who have taken music as additional work.

G. For distinguished ability as concert and oratorio singer, to students of voice culture who have finished the Seventh Grade

of the Voice Course and have reached the Fourth Grade of the Piano Course, have had two years' work in Music Theory, and have acquitted themselves with high credit before the public.

H. For ability as opera singer, to students of voice culture whose voices have been developed in the technique necessary for opera singing and have attained such a degree of proficiency that the artistic rendering of the most difficult dramatic passages is satisfactorily accomplished, and who have particularly attained accuracy in ensemble and have given evidence of unusual dramatic power.

1. For ability as teacher of violin, to students of the Violin Seminar who have reached the Fourth Grade in the Violin Course, the Third Grade in the Piano Course, and have two years' work in Music Theory.

K. Fitness for independent development as violinist, to such as have finished the Fourth Grade in the Violin Course, have reached the Fourth Grade in the Piano Course, and have had two years' work in Music Theory.

L. For ability as solo or concert violinists.

M. For ability as teacher of Music Theory, to students of Music Theory who have attained extensive knowledge of Harmony, and have shown special aptness in all their studies in the theory of music and have reached the Sixth Grade in the Piano Course.

Certificates of Dismissal are given after one year's attendance to such as take a single study in any one course.

Diplomas of distinction will be awarded as an acknowledgement of superior talent, eminent application and marked faithfulness to only such as have completed a full course.

As most of the students will teach later, special care is taken to train pupils for the profession of teaching Piano, Voice and Harmony. The course provided along these lines is the most complete that can be given.

#### JUNIOR WORK

A student is entitled to enter the Junior Class in Piano if he has reached the fifth grade,—having studied thoroughly at least the following Etudes: Doering, op. 44, books 1 and 2, op. 8, books 1 and 2; Czerny, Vol. I, (Germer), Vol. II, 1 part; Hel-

ler, Vols. I and II; Germer, op. 35; Bach, Preludes; Bertini, op. 29 and 32; Bach, two-voice inventions.

A student is entitled to enter the Junior Class in Vocal if he has reached the Third Grade in Piano, the Sixth Grade in Vocal, and is ready to begin Harmony instruction.

### RECITATIONS

At least, two recitations are required weekly in all the leading studies of any course. In Harmony the students recite daily in all beginning classes; in the advanced classes they receive three lessons and two lessons weekly, according to their advancement. Classes in Teachers' Instruction and in Forms recite twice a week. In Music Dictation, beginning classes recite daily, advanced classes three and two times a week. Chorus, Ensemble and Music History recite once or twice a week.

Special attention is called to the fact that almost twice as much instruction is given for the tuition paid as at any other college or music school. It has been found especially beneficial for beginners to recite at least three times a week in such leading subjects as Piano, Voice, Harmony, etc. We confidently believe that this departure is very much to the advantage of the students of the Music Department.

### THE ORCHESTRA

A fine orchestra is maintained by the Music Department under the direction of Dr. Poehlmann. New students wishing to join this orchestra for the instruction they will receive in various instruments are admitted on a term fee of \$5. After on year's membership no fee is charged.

### MODEL STUDENTS

A limited number of lads and misses will be received into the Music Department as model students for teachers in Piano, Violin, and Voice who are receiving supervised instruction in teaching. Those who receive this instruction will be charged \$3 a term for two lessons each week. Application should be made to the Director, before the opening of the session, by all those desiring places.

### REGULATIONS CONCERNING STUDENTS

Music students are not allowed to take private lessons from



any music teacher who is not connected with the College, nor to take part in performances of any kind without permission of the Director.

Each student is required to pay for sheet music used in the course; chorus and duet books are furnished by the conservatory.

Each beginning student is required to take at least one year's lessons from Professor Mehner or Miss Glenn. If sufficient progress has been made, the student is recommended to Dr. Poehlmann for enrollment in his classes.

At the end of each term, grades are given in all courses of that term; students are graded on progress, application, and talent. The grade values are: A, very good; B, good; C, fair; D, poor; E, very poor.

Students, who for two successive terms are graded "D" in talent in a major subject are not eligible to continue the course leading to graduation.

Holidays, determined by the Faculty of the College, are observed by the Conservatory of Music. Lessons set for such days are not made up at other times.

Students who come from nearby towns for lessons in the various departments are required to pay full tuition and are given one hour lesson each week instead of two half hour lessons as regularly given to the students of the Conservatory of Music.

Each student is required to take a course of at least three years.

Some students may be, under certain conditions, excused from a subject.

Those who enter in the winter term must complete the year's work during the summer term.

No new class in Teacher's Instruction will be formed in the spring.

The course during the summer term is primarily for special work only and for those regular course students who have work to make up.

Students who are here for only the summer term may have instruction in all branches.

The general regulations as to the care, comfort and conduct of students in the Literary Department are binding upon the



students of the Conservatory of Music. These regulations include the residence of all students not from Grove City in the dormitories at the College, their attendance upon all the religious exercises, including the daily and Sunday chapel services, and their co-operation in all interests which make for the maintenance of a good moral and Christian atmosphere.

### THE COLLEGE

The work of the College Department does not prove a hindrance to the interests of the Conservatory of Music, but rather a help. The enthusiasm and earnest purpose of the large number of men and women in the College serve as a stimulus. Indeed, the two departments are mutually stimulating, and many parents prefer to have their daughters take their work in Music under influences of this kind. The same interest and care which are exercised over the students of the College are manifested in the management of the Conservatory of Music.

Students of the Conservatory of Music are permitted to take studies in the Literary Department, by the payment of two (\$2) dollars extra a term for each credit hour in college or preparatory subjects. No reduction is made when students of the Conservatory of Music take up Art, Commercial Branches or Stenography and Typewriting.

### COURSES OF STUDY

#### PIANO—Piano.

Elements of Music.  
Harmony.  
Musical Forms and  
Analysis.  
Counterpoint.  
Music History.  
Ensemble.  
Chorus.  
Music Dictation.  
Psychology.

#### VIOLIN—Violin.

Piano.  
Elements of Music.  
Harmony.  
Counterpoint.  
History.  
Musical Forms (Lectures).  
Ensemble.  
Chorus.  
Psychology.  
Music Dictation.

#### VOICE—Voice.

Piano.  
Elements of Music.  
Harmony.  
Musical Forms (Lectures).  
Music History.  
Ensemble.  
Declamation.  
French, German and Italian.  
Music Dictation and Chorus.  
Psychology.

#### MUSIC THEORY—Elements of

Music.  
Harmony.  
Counterpoint.  
Musical Forms.  
Composition.  
Piano.  
Music History.  
Chorus.  
Music Dictation.

## PIANO-SEMINAR—Piano.

Theory of Piano Instruction,  
(Lectures), two years.

Supervised Piano Instruction,  
one year.

Elements of Music.

Harmony.

Counterpoint.

Composition.

Musical Forms (Lectures).

Ensemble.

Chorus.

Music Dictation.

Psychology.

## VOICE (OPERA)—Voice.

Interpretation of Opera.

Dramatic Rendition.

Elements of Music.

Harmony.

French and German.

Musical Forms (Lectures)

Music History.

Ensemble.

Chorus.

Music Dictation.

Psychology.

## VOICE-SEMINAR—Voice.

Theory of Voice Culture.

Supervised Voice Culture Instruction,  
one year.

Elements of Music.

Harmony.

Piano.

Counterpoint.

Musical Forms (Lectures).

Ensemble.

Chorus.

Declamation.

Music Dictation.

Psychology.

## VIOLIN-SEMINAR—Violin.

Supervised Violin Instruction.

Piano.

Elements of Music.

Harmony.

Counterpoint.

Musical Forms (Lectures).

Music History.

Ensemble.

Chorus.

Music Dictation.

Psychology.

## PLANS OF THE COURSES

## PIANO COURSE

Piano playing has always been regarded as a function of the fingers, and training of the finger muscles for independence and quality has been the foundation for all technical practice. But within recent years a new principle has been sought by various theorists. Almost simultaneously all found themselves involved in the same problem—relaxation, its value and application. Among others two great works, the books of Breithaupt and of Steinhausen, were published. Both discerned in the great pianists the free and natural movement of the arm as the source of technic and referred this idea to its physiological sources. Breithaupt, the discoverer of most of the actions, has systematized them in their three aspects—physical, psychological and aesthetic. The problems of relaxation and weight are solved in his works and become the basis of a far-reaching system.

Breithaupt says: "The art of piano-playing is not striking, hammering and thrusting, but an art of sensitive, nervous fingertips, velvet hands, and soft, round, complete movements of an elastic playing organism and finally the expression of that ever

immeasurable and indeterminate tone-ideal, that lives half perceived, half unperceived in the mind."

This wonderful method of weight-technic which all players of sonorous tone, such as Busoni, Paderewsky, Risterchi have used more or less unconsciously, is used in the work of the Conservatory.

#### FIRST YEAR

First Term (Fall).....	Piano. Elements of Music. Dictate, Chorus, History.
Second Term (Winter).....	Piano. Harmony. Dictate, Chorus, History.
Third Term (Spring).....	The same.

#### JUNIOR

First Term.....	Piano. Psychology. Harmony. Forms. Teachers' Instruction. Dictate, Chorus, History, Duets.
Second Term.....	The same.
Third Term.....	The same.

#### SENIOR YEAR

First Term.....	Piano. Harmony. Forms. Teaching, Teachers' Instruction. Dictate, Chorus, History, Duets.
Second Term.....	Piano. Counterpoint, Forms. Teaching, Teachers' Instruction. Chorus, History.
Third Term.....	The same.

#### VOCAL COURSE

##### FIRST YEAR

First Term (Fall).....	Piano. Elements of Music. Dictate, Chorus, History, Elocution.
Second Term (Winter).....	Harmony, Piano. Dictate, Chorus, History, Elocution. German or Italian.
Third Term (Spring).....	The same.

##### JUNIOR YEAR

First Term.....	Piano. Psychology. Harmony, Teachers' Instruction. Dictate, Chorus, History. Elocution, German, (French or Italian).
Second Term.....	The same. Duets.
Third Term.....	The same.

## SENIOR YEAR

First Term.....	Harmony, Teaching, Forms. Dictate, Chorus, History, German or French. Duets.
Second Term.....	Counterpoints, Teaching, Forms. Chorus, History, Duets.
Third Term.....	The same.

## VIOLIN COURSE

## FIRST YEAR

First Term (Fall).....	Elements of Music, Piano. Dictate, Chorus, History.
Second Term (Winter).....	Harmony, Piano. Dictate, Chorus, History.
Third Term.....	The same.

## SECOND YEAR

First Term.....	Harmony, Dictate, Chorus, History, Orchestra.
Second Term.....	The same.
Third Term.....	The same.

## THIRD YEAR

First Term.....	Harmony, Teaching, Forms, Dic- tate, Chorus, History, Orchestra.
Second Term.....	The same.
Third Term.....	The same.

## PIANO DEPARTMENT

## Pieces and Studies

## BEGINNING GRADE

## STUDIES

## Grade 1—

Technical Exercises (Vetter).  
Tappert.  
Doering, op. 44, book 1.  
Koehler, op. 151.  
Doering, op. 76, book 1.  
Doering, op. 45, book 1.

## Grade 2—

Doering, op. 44, book 2.  
Doering, op. 45, book 2.  
Doering, op. 76, books 2 and 3.  
Germer, op. 36, books 1 and 2.  
Loeschorn, op. 65, books 1 and 2.  
Gurlitt, op. 82.

## Grade 3—

Doering, op. 8, book 1; op. 23,  
book 1.  
Doering, op. 166, books 1 and 3.

## PIECES

## Grade 1—

Little Folks' Songs, Germer, op.  
32.  
Reinecke, op. 54, Krause, op. 25.  
Lichner, "Little Leaves and  
Flowers."  
Gurlitt, "Album Leaves for the  
Young."  
Schumann, op. 68, No. 1-6.  
Reinecke, op. 107, book 1.

## Grade 2—

Sonatinenalbum, by Germer.  
Matthews' Introduction.  
Reinecke, op. 107, book 2; op.  
47, No. 1.  
Rieman, op. 48.  
Kullak, op. 61 and 82.  
Wilm, op. 81, book 1.

## Grade 3—

Mozart and Haydn Sonatas, easy  
selections.  
Beethoven var., easy selections.

Czerny, op. 299. (Germer), books 1 and 2, or Behrens, op. 68.  
 Germer, op. 37 books 1 and 3.  
 Heller (Germer).  
 Germer, op. 35, books 1 and 2 (Polyphony).  
 Bach, preludes.

## Grade 4—

Huenten, op. 30, op. 80.  
 Doering, op. 8, book 2.  
 Czerny, op. 299, book 3.  
 Bertini, op. 29 and 32.  
 Heller or Schytte, op. 106.  
 Bach Inventions (two voices).  
 Czerny, op. 834, op. 92 (toccata).

## Grade 4—

Mendelssohn Songs (Germer).  
 Mendelssohn, op. 72.  
 Clementi Sonatas, op. 26, 39 and 24.  
 Moscheles, op. 18.  
 Field, nocturnes.  
 Gade, op. 19, books 1 and 2.  
 Heller, op. 138.  
 Schubert, Ländler, allegretto C Minor, two Scherzi.

## MIDDLE GRADE

## Grade 5—

Cramer, book 1 (Germer).  
 Behrens, op. 61, books 3 and 4.  
 Czerny, op. 299, book 4.  
 Czerny, op. 740.  
 Loeschorn, op. 67, book 1.  
 Heller, op. 16.  
 Jensen, op. 32, books 1 and 2.  
 Haberber, op. 53.  
 Bach, Suitsen French.  
 Doering, op. 33, book 2, op. 30.  
 Doering, op. 24, 25, octaves.  
 Doering, op. 46, double notes.

## Grade 5—

Beethoven, Bagat, op. 119.  
 Beethoven, op. 33.  
 Beethoven, op. 126.  
 Mozart, Haydn, Clementi, Sonatas.  
 Mendelssohn Songs.  
 Raff, op. 75, Jensen, op. 17.  
 Schumann, op. 124, op. 99, op. 68.  
 Schubert, op. 94, op. 90.  
 Grieg, op. 14, op. 30, op. 6, op. 12.  
 Kirchner, op. 7, op. 9, op. 2.  
 Rubenstein, Nevin, Ravina.  
 Henselt, Weber, Moscheles.

## Grade 6—

Cramer, books 2 and 3.  
 Czerny, 740.  
 Czerny, op. 337, 40 daily studies.  
 Clementi, Gradus and Parnassum, Germer.  
 Jensen, op. 32, book 3.  
 Doering, op. 33, book 3.  
 Bach, Inventions (3 voices).  
 Bach, Suitsen English.  
 Bach, well-tempered clavichord.  
 Czerny, op. 335.  
 Kullak, octave studies.

## Grade 6—

Beethoven Sonatas.  
 Mozart, Haydn, Weber, Clementi.  
 Schubert Sonatas.  
 Schumann, op. 15, 82, 28.  
 Chopin, op. 28, preludes.  
 Chopin, nocturnes.  
 Chopin, mazurkas.  
 Chopin, waltzes.  
 Jensen, op. 43, 44, op. 2.  
 Heller, op. 92, 83.  
 Gade, op. 34, 36, 41.  
 Mendelssohn, op. 5, 7, 15, 16, 18, 33.

## HIGHER GRADE

## Grade 7—

Tausig, daily studies.  
 Clementi, Gradus.  
 Bach, Concerto in Italian style.  
 Bach, well-tempered clavichord.  
 Chopin, preludes, op. 28.  
 Heller, op. 81.  
 Moscheles, op. 80 and op. 43.

## Grade 7—

Weber, selected compositions.  
 Brahms, op. 10 and op. 27.  
 Beethoven, variations.  
 Raff, op. 91.  
 Rubenstein, op. 51.  
 Scharwenka, op. 8.  
 Saint-Saens, op. 23.



Mueller, Capricen, op. 31, 34,  
47, 29.

#### Grade 8—

Czerny, op. 365. Virtuoso School.  
Henselt, op. 2, 5 and 13.  
Clementi, Gradus.  
Bach, fugues.  
Moscheles, op. 95 and 51.  
Schumann, op. 3, 10 and 13.  
Chopin, op. 10, 25 and 28.  
Rubenstein, op. 23 and 81.  
Saint-Saens, op. 52.  
Liszt, Etudes, Transcendentals.

Concertos, by Hummel, Dussek,  
Field, Mozart, Weber and  
Beethoven.

#### Grade 8—

Beethoven, Later Sonatas.  
Brahms, op. 1, 2 and 5.  
Chopin, op. 37, 22, 53, etc.  
Schumann, op. 6, 9, 17 and 10.  
Mendelssohn, op. 54.  
Moskowski, op. 14.  
Scharwenka, op. 6.  
Schubert, op. 53, 78, 143.  
Concertos, by Beethoven, Schu-  
bert, Handel, Schumann, Bach,  
Chopin, Brahms, Liszt, etc.

## VIOLIN DEPARTMENT

### GRADE 1.

Wohlfahrt, op. 38.  
Laoureux, Practical Method, book  
1.  
Federlein, Foundation Studies.  
Hermann, op. 20, book 1.  
Blumenstengel, Scale and Arpeg-  
gio Studies, book 1.  
Sevcik, op. 1, book 1.  
Sevcik, op. 7, book 1.  
Hohmann Method, books 1 and  
2.  
Kayser, op. 20, book 1.  
Sitt, op. 32, book 1.  
Wohlfahrt, op. 45, book 1.  
Alard, op. 10, book 1.

Dancla, op. 123, 187.  
Pleyel, op. 8.  
Gebauer, op. 10.  
Weiss, op. 38.  
Hauptmann, op. 10.  
Huber, op. 8.  
Alard, op. 39.  
Wolferrmann, op. 3.  
Saenger, op. 127, 128.

### GRADE 2.

Blumenstengel Scale and Arpeg-  
gio Studies, book 2.  
Sevcik, op. 7, book 2.  
Laoureux Method, book 2.  
Wohlfahrt, op. 45, book 2.  
Sitt, op. 32, books 2 and 3.  
Alard, op. 10, book 2.  
Hermann, op. 20, book 2.  
Sevcik, op. 6, books 6 and 7.  
Sitt, op. 32, book 5.  
Dont, op. 38.

Mazas, op. 38.  
Dancla, op. 187, 129.  
Beriot, Air Varie No. 14.  
Bohm, op. 378, 380.  
Hofmann, Sonatinas.  
Hollaender, op. 3, 20, 62.  
Kriens, Suite.  
Bach, Sarabande and Loure.  
Schmidt, op. 41.

### GRADE 3.

Laoureux Method, book 2.  
Schradiack Scale Studies.  
Schradiack Technical School,  
book 1.  
Sitt, op. 32, books 2 and 3.  
Kayser, op. 20, book 3.  
Dont, op. 37.  
Laoureux Method, book 3.  
Mazas, op. 36, book 1.

Pleyel, op. 24.  
Dancla, op. 109.  
Dvcrak, op. 100.  
Beriot, op. 5.  
Heitsch, op. 4, Romance.  
Ries, Gondoliera from Suite 3.  
Old Dance Forms—Bach, Handel,  
Beethoven, Mozart.

## GRADE 4.

Schradieck Scale Studies.	Beriot, op. 57.
Schradieck Technical Exercises	Schubert, 137.
Sevcik, op. 8 and 9.	Raff, op. 85.
Mazas, op. 36, book 2.	Svendsen, op. 26.
Kreutzer, 42 Etudes.	Grieg, op. 46.
Casorti, op. 50.	Brahms, Hungarian Dances.

## GRADE 5.

Grade 5—	Bach, 6 Sonatas.
Sevcik, op. 1, book 4.	Beethoven, op. 40 and 50.
Fiorillo, 36 Studies.	Handel, Sonatas.
Mazas, op. 36, book 3.	David, Concert Studies.
Rode, 24 Caprices.	Wieniawski, op. 17.
Rovelli, 12 Caprices.	Vieuxtemps, op. 38.
Gavinies, 24 Studies.	Concertos—Beriot, Rode, Viotti,
Wieniawski, op. 18, Etudes- Caprices.	Kreutzer, Mozart, Mendels sohn, Bruch.
Paganini, 24 Caprices.	
Hullweck, Orchestra Studies.	

## ORGAN DEPARTMENT

The demand from many quarters for pipe organ instruction, and especially by those who are qualifying to become church organists has led to the installing of a very fine pipe organ in the Music Department. The organ is of the latest design, pneumatic action throughout, and is especially adapted to the work of instruction.

Herr Gustav Mehner is splendidly equipped to train pipe organists. He was four years under some of the most noted organists of Europe and is a musician and artist of the highest standing.

The regular fee for instruction is \$33 for a term of three months.

A fee of \$5 per term is charged for practice periods of one hour per day. A special auditorium is set aside for this work, so that considering the expense of heating and lighting and the necessary expense of an electric motor for working the bellows, the fee for this branch is very reasonable.

The student should not commence the study of this instrument until a good practical knowledge of the piano has been obtained. As the organ is principally used in connection with the church service, special attention will be given to the art of service accompaniment. Instruction in the mechanism of the pipe organ will be given to all organ students.

Grade 1—Merkel Organ School, Part 1. Manual playing in two, three four parts.

Grade 2—Merkel Organ School, Part 2. The natural pedalling; regular alternating of both feet.

Artificial Pedalling; the use of point and heel of the same foot.

Easy pieces by Batiste, Dolmetch, Flagler, Lemaigre Merkel and others.

Sight Reading; easy hymn tunes with the pedals.

Grade 3—Nilson Pedal Studies.

Merkel, Parts 3 and 4. Various pieces for study and church use.

Selected Pieces by Rheinberger, Dubois and others.

Sight Reading; Hymn tunes in more difficult style.

Grade 4—Nilson Pedal Studies, continued.

Schneider—forty-four studies. (Manuals and Pedals continued).

Bach—Eight short Preludes and Fugues.

Some of his Chorals.

Rheinberger—Meditations.

Other pieces by Guilman, Mailing, La Toutbelle and others.

Grade 5—Pedal Studies by Nilson and Schneider to be completed.

Bach—Preludes and Fugues of medium difficulty.

Mendelssohn—Preludes and Sonatas. (Nos. 2 and 5).

Rheinberger—Sonata. (A Minor).

Selected pieces by Guilman, Widor, C. Frank and others.

Grade 6—Selected studies suitable for the grade.

Mendelssohn—Sonatas. (1, 3, 4, 6).

Bach—Toccatas, Preludes and Fugues.

Merkel—Sonatas.

Schumann—Fugues.

Rheinberger—Sonatas, (C Major and others), and Concertos.

Widor—Symphonies.

Guilman—Sonatas.

Liszt—Prelude and Fugue on the name: Bach.

Reger—Prelude and Fugues. Trios. Sonata, (F sharp Minor).

Other pieces selected for concert use.

Diplomas will be given as follows: (a) For ability as church organist to such organ students as have reached the Fifth Grade in the Organ course, have completed the work in Harmony, have shown sufficient knowledge in transposition and improvisation, are acquainted with the mechanism of the organ. (b) For ability as solo organist to such organ students as have completed the Sixth Grade in the Organ Course, have shown sufficient knowledge in Theory of Music and are acquainted with the mechanism of the organ.

## VOCAL DEPARTMENT

Our vocal instruction is based on the so-called pure Italian method. Therefore the fundamental principles of vocal art, such as breathing, position of larynx, tongue and mouth—in short all functions of the tone-producing and tone-strengthening organs—will receive the most careful and patient attention. The result will be a normal, well placed, easy flowing, resonant and beautiful tone. This is the most important and most difficult part of voice culture. While the Italian method, which treats the voice as a beautiful instrument only, forms the necessary basis of the vocalism, it is absolutely inadequate for the proper rendition of modern music. This demands a perfect treatment of all vowels, consonants, words, phrases and sentences, or all modulations, of emotions and sentiments as indicated by the underlying poem, of which the music is but a higher expression. Therefore, the vocal art requires the most patient and faithful study, and pupils must ever bear in mind that, while “Art is long and time is fleeting,” vocal art is the longest, the deepest, the most difficult, as it is the most beautiful of the arts.

### VOCAL COURSE OF STUDY

- Grade 1—J. Smith's Method: Posture, Breathing, Exercises 14 to 17; Tone Production, Part 1, Exercises 29-35.
- Grade 2—J. Smith: Tone-Production, Part III; Exercises 36-39.
- Grade 3—Smith: Tone-Production, Part III; Exercises 40-60.  
Tone-Production, Part IV; Secondary Vowels.  
Tone-Production, Part I; Diphthongs or Compound vowels.
- Grade 4—J. Smith: Articulation, Exercises 67-72.  
Pronunciation, Exercises 73-77. Intervals. The Easiest Solfeggi.
- Grade 5—J. Smith: Exercise 78 for the extension of the compass; scales: Sostenuito Exercises. Easy Solfeggi; Easy English Songs.
- Grade 6—J. Smith: Arpeggio; Embellishments; Coloratur Exercises; Medium Solfeggi and Songs by Mendelssohn, Schubert, Schumann.
- Grade 7—Continuation of preceding exercises; advanced Solfeggi; songs in Italian, German and French Languages.
- Grade—8 Oratorio Study.
- Grade 9—Opera Study.

# SACRED CONCERT

## "The Coming of The King"

Christmas Cantata for Soli, Chorus and Organ by Dudley Buck

Given by the Choral Society Under the Direction of Dr.

H. Poehlman, Organ Prof. Mehner, Sunday, December 9, 1917, in Carnegie Hall, at 3:30 o'clock.

### PROGRAM

- No. 1. Noel, Prelude for Organ  
 "The people that walked in darkness have seen a great light"
- No. 2. Prophecy Soprano Solo  
 "Jerusalem, look about thee,"  
Miss G. Hosick
- No. 3. Advent  
 Chorus and Duet for Soprano and Alto  
 Duet: Misses N. Hoxworth and P. Hach
- No. 4. The Annunciation  
 —The Angel Gabriel was sent by God—  
Alto Solo: Miss P. Hach  
 "Hail! hail, thou that art highly favored"  
Tenor Solo: Mr. A. Hanna
- No. 5. Across the Desert  
Male Chorus and Soli  
 The Caravan of the Magi  
 Soli: Messrs. W. Gilson, J. Joslin, D. Patterson, G. Hill
- No. 6. The Plains of Bethlehem  
Mr. Hanna  
 Female Chorus, Tenor Solo: "Fear not."  
Full Chorus
- No. 7. The Departure of the Shepherds  
Soli and Chorus
- No. 8. The Virgin's Lullaby  
Alto Solo: Miss P. Hach
- No. 9. The Questioning of the Magi.  
Herod: Mr. F. Poehlmann  
The Magi and retainers (Chorus)
- No. 10. The Adoration  
Soprano Solo: Miss G. Hosick  
Baritone Solo: Mr. D. Patterson
- No. 11. Aveste Fidelus  
Chorus



# SACRED CONCERT

Selections from  
 "ELIJAH"

Oratorio for Soli, Chorus, Orchestra and Organ, by  
 F. Mendelssohn, Given by the Choral Society  
 Under the Direction of Dr. H. Poehlmann,  
 Assisted by the Home Orchestra,  
 Sunday, February 17, 1918, Car-  
 negie Hall, at 3:30 o'clock

## PROGRAM

1. Organ Prelude.....A. Guilment  
 Prof. G. Mehner
2. Chorus: "Thanks be to God"
3. Aria for Soprano: "Hear ye, Israel"  
 Mrs. H. A. Kelley
4. Chorus: "Be not Afraid"
5. Recitative: "Man of God"  
 Mr. Hanna
6. Aria for Barytone: "It is Enough"  
 Mr. D. Patterson
7. Recitative: "See, now he sleepeth"  
 Mr. A. Hanna
8. Trio: "Lift thine eyes"  
 Mrs. H. A. Kelly, Mrs. M. Dale, Miss P. Hach
9. Chorus: "He watcheth over Israel"
10. Recitative: "Arise, Elijah"
11. Aria for Alto: "O rest in the Lord"  
 Miss P. Hach
12. Chorus: "He that shall endure"
13. Recitative: "Night falleth round me"  
 Mr. D. Patterson, Mrs. M. Gealy-White
14. Chorus: "Behold God the Lord"
15. Solo, Quartet and Chorus: "Holy is God the Lord"  
 Quartet: Mesdames Kennedy, Gealy-White, Dale, Miss Hach

# The Redemption

a Sacred Trilogy

by Charles Gounod

Given by the Choral Society

under the direction of

Dr. H. Poehlmann

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## Soloist

Miss A. Cory, Soprano

Miss J. Poehlmann, Alto

Mr. G. D. Herwig, Tenor

Mr. G. B. D. Wick, Barytone

Prof. G. Mehner, Organ

Mrs. H. Kelley, A. White,

G. Dale, C. Daugherty,

Miss H. Hach, M. Tebay

and the Home Orchestra

## Presbyterian Church

Friday, April 12, 1918

at eight o'clock

# Commencement Concert

Given by the Music Graduates of Grove City College assisted  
by Mrs. H. Kelley, Soprano, Mr. W. Gilson, Tenor and  
the Home Orchestra, Under the Direction of Dr. H.  
Poehlmann, Monday, June 10, 1918, Carnegie  
Hall at 8 o'clock.

## PROGRAM

### The Star Spangled Banner

Overture: Fra Diavolo.....E. Auber  
Orchestra

Recitative and Aria from Orpheus and Euridice.....W. Gluck  
Miss P. Hach

Piano Soli: Erotick.....E. Grieg  
Birdling.....E. Grieg  
Menuetto.....E. Liebling

### Miss D. Thompson

Soprano Soli: Yesterday and Today.....C. Spross  
In the moon of falling leaves.....C. Cadman  
Slumbersong.....E. McDowell

### Mrs. H. Kelly

Piano Soli: Eventide.....J. Raff  
March.....A. Hollaender

### Miss E. Reed

Piano Duet: Wedding Music.....A. Rubinstein  
Misses J. Thompson, H. McKinney

Alto Soli: Nocturne.....F. Krayzanowski  
To Spring.....S. Nozkowski

### Miss A. Phipps

Piano Soli: Prelude and Toccata Op. 57.....V. Lachner  
Nocturne Op. 32. No. 1.....Chopin  
Polonaise Op. 40. No. 1.....Chopin

### Miss M. Allison

Mixed Quartets: "How strange a mood is mine".....L. v. Beethoven  
July—from The Trend of Time.....V. Kemp  
Nocturne: "All good angels".....F. Flowtow

Mrs. H. Kelley, Miss P. Hach, Mr. W. Gilson, H. Poehlmann

### March Heroic:

for two pianos, eight hands and orchestra.....C. Saint Saens  
Misses M. Allison, D. Thompson, A. Phipps, E. Reed

## RATES OF TUITION PER TERM OF TWELVE WEEKS

## Private Lessons

## VOCAL

Instruction given by Dr. Poehlmann.

One term's instruction, (two half hour lessons a week).....\$33.00

One term's instruction (one half hour lesson a week)..... 18.00

Instruction given by an Assistant.

One term's instruction, (two half hour lessons a week)..... 28.00

One term's instruction, (one half hour lesson a week)..... 16.00

## PIANO

Instruction given by Dr. Poehlmann or Prof. Mehner.

Two half hour lessons a week.....\$33.00

One half hour lesson a week ..... 18.00

Instruction given by an Assistant.

Two half hour lessons a week..... 28.00

One half hour lesson a week ..... 16.00

## ORGAN

Instruction given by Prof. Mehner.

Two half hour lessons a week.....\$33.00

One half hour lesson a week ..... 18.00

## VIOLIN

Instruction given by Miss Reynolds.

Two half hour lessons a week.....28.00

One half hour lesson a week .....16.00

## OTHER EXPENSES

Harmony (in classes).....\$15.00

Counterpoint (in classes of two)..... 20.00

Composition (in classes of two)..... 25.00

Teachers' Instruction in Piano ..... 10.00

Teachers' Instruction in Voice..... 10.00

Dictation and Ear Training..... 6.00

Forms and Analysis..... 10.00

Piano accompanists' course..... 10.00

Elements of music ..... 8.00

## DUET LESSONS IN PIANO

One half hour lesson with one of the Professors.....\$6.00

Piano duets are free for all students who have Piano and Harmony.

Chorus is free for all music students.

Music History is free for all music students

Piano practice periods in the Music Hall, 40 minutes, for term.....\$1.00

For Music Library, Sheet Music for Chorus and Ensemble..... 1.00

Fees for certificates of any kind..... 2.00

Additions or duplicates ..... 1.00

Organ practice periods, in Carnegie Hall, 1 hour, for the term..... 5.00

Certificates of Dismissal ..... 1.50

Diplomas ..... 3.00

Special Examinations ..... 1.00

Tuition is payable invariably in advance. Students who have not paid their College bills or arranged for their payment, will be excluded from classes after the first week of the term. No matriculation or registration fees, or entrance fees to college athletic games are charged. A reduction of \$5 is made in the tuition for two lessons per week in Vocal, Piano, Organ, or Violin to the student who has already paid tuition for two lessons per week in another one of these branches.



## GROVE CITY SCHOOL OF ARTS

The Grove City School of Art was organized in 1893, since which time there has been a manifest growth of art sentiment in the community. It is closely affiliated with Grove City College.

Miss Lilian McConkey, who received her training in some of the best art schools of this country and notably at the Academy of Fine Arts, Philadelphia, and who has had several years successful experience in teaching was engaged to take charge of this work at the beginning of the year 1904-05.

Miss McConkey is a constant and conscientious student herself, and has the power of seeing nature with seeing eyes. She has also the gift of interpreting nature for others and gives to each pupil her careful and personal attention.

The remarkable showing upon our walls of each year's output in all the classes of the department in creative, as well as merely representative work, is evidence that students are being truly educated. The work reveals the sensitiveness that has been developed in them to all forms of beauty—beauty of form, of color, of line, of mass and of value, and with it, the power to express those images of beauty which William M. Chase, the artist, so graphically calls the Oratory of Art.

The regular course in the fine arts is compassed by the average pupil in two years, if the entire time is spent in the studio. This includes four regular lessons a week from the instructor and personal criticisms in all the work done in her absence. The tuition for the full course work is \$28 a term. To those not wishing to follow the regular course of work, two lessons a week will be given for \$15 a term. Students, who desire to take literary work can do so by paying two (\$2) dollars for each credit hour in collegiate or preparatory subjects. Art students who take music or commercial work, pay the full tuition in these respective departments. Those students, desiring to take up art for public school work, will be furnished instruction along this line. The foundation of the work will be the same as that required in the regular course, changes being made to suit the requirements of this work. The time for the completion of this course and the tuition will be the same as the other. This

is a line of work that is practical and for which there is great demand. A large number of our graduates are successfully engaged in this work.

The following is a brief outline of the work compassed in Fine Arts:

Crayon Drawing from geometrical solids and vases with applied perspective. Lead pencil drawing after foliage and flowers from nature, with training in observation of plant growth for use in flower painting from nature.

Charcoal drawing from still life as exercises in composition and for study of varied color values. Brush drawing in sepia and charcoal gray, from foliage, casts and still life. Practice for the handling of water color. Historic ornament; time sketching; perspective, antique drawing from casts of the human body; water color from the flat and from nature. Oil from the flat and from nature. China sketching; art history; outdoor sketching.

For those desiring to teach art in the schools, special work is outlined in mechanical drawing, design, historic ornament, figure and animal drawing, pictorial representation, art history, etc.

Miss McConkey recently prepared to give her pupils thorough training in all types and phases of china decoration. Exceptional opportunities are available in this department and if so desired, instruction will be given without previous training under the same careful guidance given those taking a more serious outlook of the subject.

### COURSE IN FINE ARTS

#### FIRST YEAR—FIRST TERM

Drawing from type forms.  
Shading of type forms in charcoal and crayon.  
Drawing from still life.  
Study of plant growth.  
Still life in charcoal.  
Perspective.  
Bust work in sepia.

#### SECOND TERM

Crayon work in bas-relief.  
Water color from the flat.  
Memory sketching.  
Time sketching.  
Work for historic ornament.

Study of color from nature in simple forms.  
Composition.

## THIRD TERM

Oil from the flat.  
Drawing from the casts of human figure.  
Sketching from nature in pencil.  
Harmony.  
Drawing from animals.  
Studies in life and action.  
Original compositions.

## SECOND YEAR—FIRST TERM

Still-life in oil.  
Drawing from the antique.  
Design.  
Outdoor sketching in oil.  
Pose Drawing.  
Biography in Art.

## SECOND TERM

Drawing from the Antique.  
China painting.  
Original designing and decoration.  
Drawing from life.  
History of art.  
Scrub method in water color.  
Original studies.

## THIRD TERM

Still life in water color.  
Drawing from the Antique.  
Drawing from life.  
Outdoor sketching in water color.  
Original illustration in black and white.  
Teaching.

## RATES OF TUITION A TERM

Course in Fine Arts .....	\$28.00
Course in School Art .....	28.00
China Painting .....	15.00
Water Color .....	15.00
Oil .....	15.00

## DEGREES AND HONORS

At the annual meeting of the Board of Trustees, June 11th, 1918, the following degrees were conferred; they were awarded at the Commencement, June 12th, 1918.

### BACHELOR OF ARTS

Gertrude Esther Eisman .....	Latrobe, Pa.
Arthur Jesse Hogg .....	Slippery Rock, Pa.
Robert Wallace Graham .....	Grove City, Pa.
Samuel Robert McKinstry .....	Vandergrift, Pa.
Frances Mabel Reed .....	Erie, Pa.
Maida Margaret Lee Schrader .....	Allison Park, Pa.
Elizabeth Poillon Shiner .....	Gloversville, N. Y.
Ida Belle Stuart .....	Erie, Pa.
James Roy Walter .....	Apollo, Pa.
Ivy May Weaver .....	Johnstown, Pa.

### BACHELOR OF LITERATURE

Mary Evelyn Barber .....	Slippery Rock, Pa.
Rose Margaret Barber .....	Slippery Rock, Pa.
Mabel Duella Buchannon .....	Grove City, Pa.
Sara Matilda Conrad .....	Grove City, Pa.
Marian Deal .....	Grove City, Pa.
Esther Martin Forrest .....	Grove City, Pa.
Blanche Mabel Fowler .....	Sandy Lake, Pa.
Nettie Sophia Gelbach .....	Butler, Pa.
Grace Elizabeth S. George .....	Grove City, Pa.
Ella Jane Haffey .....	Haffey, Pa.
Ella Jane Hosick .....	Grove City, Pa.
Rowena McBride .....	Erie, Pa.
Lois Henrietta McCoy .....	Grove City, Pa.
Thomas W. Reilly .....	Duncansville, Pa.
Bertha Grace Saul .....	Greenville, Pa.
Carrie Elda Walter .....	Grove City, Pa.

### BACHELOR OF SCIENCE

Horace Emery Hoover .....	Mechanicsville, N. Y.
John A. Ruffing .....	Grove City, Pa.
Roy William Wiley .....	New Middleton, O.
Clair Byers Wilson .....	Woodland, Pa.

### MUSIC

Mary Elizabeth Allison .....	Grove City, Pa.
Susannah Pearle Hach .....	Shippensburg, Pa.
Artie Phipps .....	Clintonville, Pa.
Ethel Estella Reed .....	Grove City, Pa.
Dorothy Elinor Thompson .....	South Heights, Pa.
Jessie Luella Thompson .....	Grove City, Pa.

### ART

Matilda Reed Guthrie .....	Grove City, Pa.
Margaret Lucile Whieldon .....	Grove City, Pa.

## DOCTOR OF PHILOSOPHY IN CURSU

William Riley VanBuskirk, pastor of the Second Presbyterian Church, of Mercer, Pennsylvania.

## DOCTOR OF DIVINITY CAUSA HONORIS

David D. Dodds, A. B., 1896, Pastor of the First United Presbyterian Church at Xenia, Ohio.

Reginal S. Radcliffe, Archdeacon of Ridgway, Rector of the Protestant Episcopal Church of Ridgway, Pennsylvania.

Leon Stewart, Ph. B., 1901, pastor of the First Presbyterian Church of McKeesport, Pennsylvania.

## SPECILL CERTIFICATE IN ORATORY

Ida Belle Stuart .....	Erie, Pa.
Carrie Elda Walter .....	Grove City, Pa.

## HONORS

Magna cum laude—Maida Margaret Lee Schrader.

Cum laude—Nettie Sophia Gelbach, Carrie Elda Walter.

Special honors in Latin and Greek—Maida Margaret Lee Schrader.



# ROSTER OF STUDENTS

## POST GRADUATE

Shiner, Elizabeth P. .... Gloversville, N. Y.

## SENIORS

Alexander, Margaret .....	Grove City, Pa.
Baker, Helen .....	Grove City, Pa.
Blyholder, Isabelle .....	Kelly Station, Pa.
Byers, Wendell G. ....	Homer City, Pa.
Chamberlain, Dorothy .....	Grove City Pa.
Edmunds, Dorothy .....	New Castle, Pa.
Frew, Margaret .....	Grove City Pa.
Henderson, Mary .....	Glen Richey, Pa.
Knapp, Emma Marie .....	Crafton, Pa.
Lewis, Alice Belle .....	Punxsutawney, Pa.
Morledge, H. Weir .....	Grove City, Pa.
Matson, Lily May .....	Sigel, Pa.
Reed, Charlotte .....	Erie, Pa.
Robins, Lola May .....	Grove City, Pa.
Robinson, J. Brittain .....	Grove City, Pa.
Sammons, Mabel .....	Wattsburg, Pa.
Stewart, Anne .....	Coal Glen, Pa.
Taylor, Bertha .....	Canonsburg, Pa.
Thompson, Jessie L. ....	Grove City, Pa.
Webb, Wm. A. ....	Baltimore, Md.
Webster, Goodwin B. ....	Harveys, Pa.
Total, 21; Men, 5; Women, 16.	

## QUALIFYING SENIORS

Burton, John D. ....	Grove City, Pa.
Christie, Jessie .....	Grove City, Pa.
Clark, Bula .....	Grove City, Pa.
Cooper, Helen .....	Grove City, Pa.
Cooper, Ruth .....	Grove City, Pa.
Hayes, Edward E. ....	Luthersburg, Pa.
Howe, Ruth .....	Grove City, Pa.
Humphrey, Elizabeth .....	Grove City, Pa.
King, Martha .....	Grove City, Pa.
Lowstetter, Viola .....	Hazzard, Pa.
MacRoberts, Opal G. ....	New Kensington, Pa.
Moon, Denton .....	Grove City, Pa.
Munnell, Helen .....	Mercer, Pa.
Patterson, A. DeWitt .....	Franklin, Pa.
Schaumberg, Ludwig .....	Grove City, Pa.
Ungard, Wm. ....	Watsonstown, Pa.
Whitehill, James L. ....	Hookstown, Pa.
Total, 17; Men, 7; Women, 10.	

## JUNIORS

Barnes, Wilda .....	Grove City, Pa.
Baughner, Ethel .....	Titusville, Pa.
Chamberlain, Elizabeth .....	Grove City, Pa.
Christy, Mary .....	Grove City, Pa.

Cribbs, William J. ....	Grove City, Pa.
Dinsmore, Grace .....	West Finley, Pa.
Foltz, Ruth .....	Grove City, Pa.
Grace, Bessie .....	Grove City, Pa.
Grosse, Blythe .....	Vandergrift, Pa.
Harris, William .....	Pardoe, Pa.
Hepler, Elizabeth .....	Butler, Pa.
Hill, Philip .....	Grove City, Pa.
Hoban, John A. ....	Dunmore, Pa.
Limber, Ross .....	Jackson Center, Pa.
McCarl, Madge .....	Grove City, Pa.
McCune, Grace .....	Grove City, Pa.
Miller, Clarence .....	Apollo, Pa.
Mizner, Mildred .....	Wheatland, Pa.
Mocre, Jessie .....	Grove City, Pa.
Purvis, Wm. E. ....	Grove City, Pa.
Redmond, Florence .....	Grove City, Pa.
Ritchey, Harold S. ....	Grove City, Pa.
Robertson, Mary E. ....	Cowansville, Pa.
Shelley, P. Leonard .....	Grove City, Pa.
Stewart, Arthur R. ....	Transfer, Pa.
Silvis, H. A. ....	West Sunbury, Pa.
Terihn, Julia .....	Ridgway, Pa.
Uber, Arthur E. ....	Grove City, Pa.
Walters, Deane C. ....	Export, Pa.

Total 29; Men, 12; Women, 17.

## SOPHMORES

Ackley, Lee .....	Sigel, Pa.
Alexander, A. Lot .....	Grove City, Pa.
Baker, Harold K. ....	Hindman, Ky.
Borland, George .....	Oil City, Pa.
Clarke, James .....	Greensburg, Pa.
Curry, Josephine .....	Grove City, Pa.
Dunlap, Hazel .....	Harrisville, Pa.
Gilmore, Elsa .....	Grove City, Pa.
Gould, George .....	Grove City, Pa.
Gould, Helen .....	Grove City, Pa.
Graham, Elfrieda .....	Grove City, Pa.
Harbrige, Austin B. ....	DuBois, Pa.
Hart, Helen .....	Mercer, Pa.
Heilman, Reuben M. ....	Elderton, Pa.
Hodge, Mont .....	Grove City, Pa.
Hopkins, Thorne .....	Leechburg, Pa.
Horst, Eugene G. ....	Wilkinsburg, Pa.
Hosick, Mary .....	Grove City, Pa.
Humphrey, Julia .....	Harrisville, Pa.
Ifft, Harold .....	Mercer, Pa.
Irwin, Leis .....	Evans City, Pa.
Kaufman, C. E. ....	Mill Hall, Pa.
Kightlinger, C. E. ....	Guys Mills, Pa.
Langendorf, Ruth .....	Monongahela, Pa.
Latham, Elizabeth .....	Chester, Pa.
Leslie, Allurah .....	New Galilee, Pa.
Lyons, Frank M. ....	Olyphant, Pa.
McClure, Dorothea .....	Altoona, Pa.
McCoy, Eugene G. ....	Emlenton, Pa.
Montgomery, Hazel .....	Grove City, Pa.
Magee, Carbus .....	Slippery Rock, Pa.

Nesbit, Agnes .....	New Castle, Pa.
Niece, Alice .....	Grove City Pa.
Perrin, Dorothy .....	Butler, Pa.
Pierce, L. M. ....	Grove City, Pa.
Raymond, Mark L. ....	Raymilton, Pa.
Richardson, Amelia .....	Grove City, Pa.
Robinson, Ernestine .....	Grove City, Pa.
Sammons, W. Dana .....	Wattsburg, Pa.
Shadle, Wilmer J. ....	Leechburg, Pa.
Slonaker, Paul N. ....	Leechburg, Pa.
Smith, Geo. R. ....	Sharpsburg, Pa.
Spargrove, George .....	Erie, Pa.
Stewart, Margaret .....	Grove City, Pa.
Tench, T. E. ....	Leechburg, Pa.
Vaughn, R. J. ....	Hadley, Pa.
Venen, Darwin P. ....	Springboro, Pa.
Walters, W. Floyd .....	Export, Pa.
Ware, Clinton F. ....	Guys Mills, Pa.
White, Florence .....	Grove City, Pa.
Whieldon, Lucille .....	Grove City, Pa.
Wiggins, Margaret .....	Vandergrift, Pa.
Total, 52; Men, 28; Women, 24.	

## FRESHMEN

Allison, James G. ....	Grove City, Pa.
Bigler, Emerson, .....	Grove City, Pa.
Black, Elizabeth .....	Franklin, Pa.
Burton, James W. ....	Grove City, Pa.
Caldwell, Agnes .....	Grove City, Pa.
Davis, Genevieve .....	Grove City, Pa.
Doutt, Ralph .....	Polk, Pa.
Dow, Walter B. ....	Grove City, Pa.
Filer, Lloyd J. ....	Grove City, Pa.
Filer, Rollin E. ....	Grove City, Pa.
Hassel, Frederick W. ....	Grove City, Pa.
Henry, Allan .....	Grove City, Pa.
Herron, Wilmer B. ....	Fredonia, Pa.
Hettenbaugh, Christina .....	Grove City, Pa.
Hinsdale, Ralph W. ....	Grove City, Pa.
Hodge, Pearl .....	Grove City, Pa.
Harmon, Jr., Herbert W. ....	Grove City, Pa.
Jennings, Dorothy .....	Tidioute, Pa.
Jameson, H. Theodore .....	Erie, Pa.
Kahle, Kathleen .....	Knox, Pa.
Knox, Geo. G. ....	New Castle, Pa.
Kuhen, Jay D. ....	Grove City, Pa.
Lamb, Harry H. ....	Butler, Pa.
McCormick, C. S. ....	Burgettstown, Pa.
McMullen, Genevieve .....	Grove City, Pa.
Miller, Clinton .....	Fairview, Pa.
Montgomery, Wade E. ....	Grove City, Pa.
Morris, F. Ray .....	Grove City, Pa.
Nicholson, Paul .....	Grove City, Pa.
Onstatt, Ruth .....	Saltsburg, Pa.
Paciulli, Orla C. ....	Elkland, Pa.
Peterson, Reuben E. ....	Bradford, Pa.
Ralston, Doris .....	Zelienople, Pa.
Robbins, Glenna .....	Grove City, Pa.
Rohrer, Marguerite .....	Albion, Pa.

Rosa, Pedro .....	Hastillo, P. R.
Sellers, John .....	Fredonia, Pa.
Shook, Chauncey .....	Pittsburgh, Pa.
Sheldon, Geo. H. ....	Springboro, Pa.
Thomas, Nyda .....	South Heights, Pa.
Tinker, Helen .....	Boyers, Pa.
Wood, Floyd G. ....	Grove City, Pa.
Young, Harvey .....	Grove City, Pa.
Young, Paul A. ....	Grove City, Pa.
Total, 44; Men, 30; Women, 14.	

## SUB-FRESHMEN AND SPECIAL

Brown, Samuel P. ....	Apollo, Pa.
Bueno, Santiago .....	Cuba.
Boyd, James .....	Cherry Valley, Pa.
Boyd, Momford .....	Cherry Valley, Pa.
Cline, Catherine .....	Pittsburgh, Pa.
Curry, William .....	Grove City, Pa.
Cochran, Samuel .....	Dayton, Pa.
Dahlberg, A. O. ....	Grove City, Pa.
Dorr, Bertha .....	Grove City, Pa.
Floyd, Clarence .....	Grove City, Pa.
Fuller, Drew B. ....	Union City, Pa.
Fulmer, Luella .....	Dickerson, Pa.
Gomez, Augusto .....	Yucatan, Mex.
Hoffman, Wade .....	Vandergrift, Pa.
Houston, Mrs. Edith Painter .....	Grove City, Pa.
Houston, Margaret .....	Grove City, Pa.
Ifft, Eugene .....	Slippery Rock, Pa.
Jones, Anna M. ....	Indiana, Pa.
Keffer, Walter M. ....	Ligonier, Pa.
Kerr, W. O. ....	New Castle, Pa.
Kramme, George H. ....	Vineland, N. J.
Kymer, George .....	Hazelhurst, Pa.
Lindquist, Ruth .....	Millvale, Pa.
McConnel, Dufferin .....	Wilkinsburg, Pa.
McIlwain, S. Russell .....	Grove City, Pa.
McCandless, Garritt .....	Pittsburg, Pa.
Miller, Glenn .....	Clintonville, Pa.
Moore, Mary A. ....	Mercer, Pa.
Patton, Stuart N. ....	Parkers Landing, Pa.
Porter, William G. ....	Grove City, Pa.
Reinhart, Lida .....	Fredonia, Pa.
Renninger, Lotta .....	Franklin, Pa.
Roberts, Mrs. C. H. ....	Grove City, Pa.
Rogers, Manuel H. ....	Conneaut, Ohio.
Rose, E. A. ....	Leechburg, Pa.
Schaeffer, Edna .....	Wexford, Pa.
Sheldon, Frank .....	Springboro, Pa.
Shields, Floyd .....	Harrisville, Pa.
Speer, Frances .....	St. Mary's, Pa.
Stevens, Florence .....	Oil City, Pa.
Stevens, Irene .....	Duquesne, Pa.
Taggart, Leona .....	Grove City, Pa.
Texter, LeRoy .....	St. Petersburg, Pa.
Thompson, Deborah .....	Grove City, Pa.
Tinker, Lorraine .....	Grove City, Pa.
Turner, Rachel .....	Grove City, Pa.
Venen, Frances .....	Springboro, Pa.



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Wallace, Margaret .....	Greenville, Pa.
Weeter, Lucille .....	Sligo, Pa.
Wiester, Merle .....	Apollo, Pa.
Woodward, Charles .....	Indiana, Pa.
Young, Marie .....	Mercer, Pa.
Yount, Irene .....	Midland, Pa.

Total, 53; Men, 27; Women, 26.

### SECRETARIAL DEPARTMENT, FIRST YEAR

Baker, Bertha .....	Grove City, Pa.
Black, James H. ....	Grove City, Pa.
Blair, Hazel .....	Clintonville, Pa.
Bowles, Anna .....	Fairhaven, Pa.
Cole, Loyal .....	Evans City, Pa.
Clark, Grace .....	Simons, Ohio.
Currier, Stanley .....	Mercer, Pa.
Davis, Rose .....	Grove City, Pa.
Dixon, Anna .....	Clymer, Pa.
Eisaman, Ethel .....	Latrobe, Pa.
Forquer, Sadie .....	Ursina, Pa.
Giebner, Della .....	Sandy Lake, Pa.
Gilmore, Elsa .....	Grove City, Pa.
Gleason, Marie .....	Grove City, Pa.
Gould, Helen .....	Grove City, Pa.
Henderson, Nellie .....	Titusville, Pa.
Hettenbaugh, Christine .....	Grove City, Pa.
Houston, Mrs. Edith Painter .....	Grove City, Pa.
Jackson, Hylda .....	Grove City, Pa.
Livingston, Eunice .....	Conneaut, Lake, Pa.
Lloyd, Margery .....	Westminster, Pa.
McDowell, Hazel .....	Grove City, Pa.
Mainwaring, Myrtle .....	Grove City, Pa.
Meegan, Rose .....	Leisenring, Pa.
Mehrten, Ruth .....	Knox, Pa.
Mong, Harold .....	Kossuth, Pa.
Moon, Eva .....	Grove City, Pa.
Moore, Alice .....	Mossgrove, Pa.
Rose, E. A. ....	Leechburg, Pa.
Schaeffer, Tressa .....	Sandy Lake, Pa.
Spearman, Ruth .....	Grove City, Pa.
Torrence, Mrs. Jean .....	Pittsburgh, Pa.
Trautman, Ellis .....	Grove City, Pa.
Washabaugh, Rebekah .....	Grove City, Pa.
Welch, Norman B. ....	Grove City, Pa.
Williamson, Lester .....	Grove City, Pa.
Yard, Vinton .....	Grove City, Pa.
Young, Paul A. ....	Grove City, Pa.

Total, 37, Men, 10; Women, 27.

### SECRETARIAL DEPARTMENT, SECOND YEAR

Black, Lois .....	Grove City, Pa.
Campbell, Mary .....	Grove City, Pa.
Dickson, Elda .....	New Martinsville, W. Va.
Hoxworth, Norine .....	Canonsburg, Pa.
Jennings, Dorothy .....	Tidioute, Pa.
Jones, Alan .....	Corsica, Pa.
Kingsley, Agnes .....	Grove City, Pa.
Limber, Donna .....	Jackson Center, Pa.
Lusk, Elizabeth .....	Butler, Pa.



Myers, Ralph .....	Bruin, Pa.
Moore, Marian .....	Mercer, Pa.
Pierce, Leonora .....	Sharon, Pa.
Purvis, Helen .....	Grove City, Pa.
Riddle, Genevieve .....	Emlenton, Pa.
Rupert, Evelyn .....	Foxburg, Pa.
Shillito, Mildred .....	Grove, City, Pa.
Smith, Marie .....	Franklin, Pa.
Thomas, Berenice .....	Ellwood City, Pa.
Williamson, Florence .....	New Martinsville, W. Va.

## PEDAGOGY STUDENTS—SUMMER TERM 1918

Adams, Grace .....	Patton, Pa.
Agey, Nella .....	Bradford, Pa.
Almes, Francis .....	Saltsburg, Pa.
Alworth, James .....	Parkers Landing, Pa.
Amond, Vinton .....	Penn Run, Pa.
Anderson, Anna .....	Wilcox, Pa.
Anderson, Bertha .....	Mercer, Pa.
Atkin, Grace .....	Tidioute, Pa.
Atkinson, Mrs. Mary .....	Homestead, Pa.
Aubel, Zella .....	Jamestown, Pa.
Augustine, Edith .....	Confluence, Pa.
Bailey, Audrey .....	Union City, Pa.
Baker, Sara .....	Mercer, Pa.
Barber, Mary .....	Slippery Rock, Pa.
Barden, Alice .....	Eldred, Pa.
Barger, Bess .....	St. Petersburg, Pa.
Barnes, Mabel .....	Latrobe, Pa.
Baumgarner, Jessie .....	Clearfield, Pa.
Beabes, Mrs. Ella .....	Winber, Pa.
Behe, Mary .....	Lilly, Pa.
Beil, Beatrice .....	Greenville, Pa.
Beistel, Emma .....	Stahlstown, Pa.
Bell, Florence .....	West Middlesex, Pa.
Benson, Jennie .....	Ridgway, Pa.
Berg, Lulu .....	Cokeville, Pa.
Berry, Merrill .....	Oil City, Pa.
Beyer, Lenore .....	Indiana, Pa.
Bigler, Emerson .....	Grove City, Pa.
Bird, Isabella .....	Johnstown, Pa.
Blum, Selma .....	Fayette City, Pa.
Blummer, Loretta .....	Sharpsburg, Pa.
Bortz, Edith .....	Apollo, Pa.
Bowman, May .....	Flinton, Pa.
Brandt, Arma .....	Glen Hazel, Pa.
Bricker, Grace .....	Cabot, Pa.
Brubaker, Emma .....	Johnstown, Pa.
Bruner, Helen .....	Sandy, Lake, Pa.
Buckwalter, Margaret .....	Pulaski, Pa.
Buhl, Della .....	Sugar Grove, Pa.
Burbridge, Alice .....	McKeesport, Pa.
Burkett, Clara .....	Apollo, Pa.
Burrows, Hazel .....	Pleasantville, Pa.
Butler, Elizabeth .....	Connellsville, Pa.
Cable, Carrie .....	Rochester, Pa.
Calder, Carrie .....	Claysville, Pa.
Cameron, Claribel .....	New Castle, Pa.

Campbell, Hazel .....	West Sunbury, Pa.
Campbell, Mary .....	Apollo, Pa.
Carey, Anna .....	Sandy, Lake, Pa.
Carnes, Mae .....	Ligonier, Pa.
Carson, Eliza .....	Sharpsburg, Pa.
Carson, Mary .....	Sharpsburg, Pa.
Christner, Isa .....	Mount Pleasant, Pa.
Colbeck, Alice .....	McKees Rocks, Pa.
Condit, Ethel .....	Sandy Lake, Pa.
Connell, Margaret .....	Ebensburg, Pa.
Cooper, Mary .....	Livermore, Pa.
Corey, Caroline .....	Conneaut, Lake, Pa.
Couch, Nellie .....	Parkwood, Pa.
Coulter, Agnes .....	Monongahela, Pa.
Creighton, Bessie .....	Mercer, Pa.
Crooks, Katherine .....	Corydon, Pa.
Crosby, Pearl .....	Greensburg, Pa.
Crouse, Margaret .....	Wilkinsburg, Pa.
Cummings, Laura .....	Grove City, Pa.
Daugherty, Elizabeth .....	Rossiter, Pa.
Davidson, Jean .....	Spangler, Pa.
Davis, Frances .....	Big Run, Pa.
Davis, Genevieve .....	Grove City, Pa.
Davis, Mrs. H. U. ....	Grove City, Pa.
DeArmit, Sylvia .....	Hadley, Pa.
DePriest, Pearl .....	Alverton, Pa.
Devlin, Janet .....	Fairhaven, Pa.
Dell, Agnes .....	Weedville, Pa.
Dillson, Mildred .....	Brockwayville, Pa.
Ditchfield, Esther .....	Shamokin, Pa.
Dockman, Anna .....	New Castle, Pa.
Dorsey, Mrs. Mabel .....	Wilcox, Pa.
Drake, Stella .....	Old Forge, Pa.
Duncan, Lelia .....	Swissvale, Pa.
Dyer, Belva .....	Johnstown, Pa.
Eberhart, Mary .....	New Geneva, Pa.
Eichler, Belle .....	Star Junction, Pa.
Elwood, Myrtle .....	Murraysville, Pa.
Eskovitz, Sara .....	Lyndora, Pa.
Feightner, Hazel C. ....	McKeesport, Pa.
Fisher, Katherine .....	St. Marys, Pa.
Forquer, Carrie .....	Ursina, Pa.
Fowler, Bertha .....	Smithfield, Pa.
Fox, Nettie .....	Patton, Pa.
Frank, Anna .....	New Salem, Pa.
Gaiser, Elizabeth .....	Butler, Pa.
Gallagher, Julia .....	Braddock, Pa.
Gearhart, Effie .....	Pulaski, Pa.
Geary, Mary .....	Blairsille, Pa.
Geer, Mary I. ....	New Brighton, Pa.
Glassborn, Willa .....	Connellsville, Pa.
Gonnley, Sara .....	Beaver Falls, Pa.
Gooze, Lillian .....	West Middlesex, Pa.
Gooze, Luella .....	West Middlesex, Pa.
Grace, Gladys .....	Grove City, Pa.
Gracey, Beatrice .....	Falls Creek, Pa.
Graham, E. Florence .....	Butler, Pa.
Graham, Ethyl .....	Pitcairn, Pa.
Gregel, Agnes .....	Grove City, Pa.
Griffith, Elsie .....	Johnstown, Pa.

Griffith, Alice .....	West Elizabeth, Pa.
Grimes, Alice .....	Claysville, Pa.
Griver, Florence .....	Nescopeck, Pa.
Hall, Rosayln .....	Markton, Pa.
Hampton, Myrtle .....	Ford City, Pa.
Hanford, Anna .....	Stoneboro, Pa.
Harbison, Gladys .....	Evans City, Pa.
Harkless, Jennie .....	Callensburg, Pa.
Harrison, Betty .....	Natrona, Pa.
Hays, Helen .....	Erie, Pa.
Heasley, Margaret E. ....	West Middlesex, Pa.
Hepler, Emma .....	Shamokin, Pa.
Herbert, Margaret .....	Pleasantville, Pa.
Herpel, Mildred .....	Reynoldsville, Pa.
Herr, Edward .....	Shamokin, Pa.
Herring, Ada .....	Linesville, Pa.
Hezlep, Mrs. Ollie .....	Harrisville, Pa.
Hilliard, Nancy .....	West Sunbury, Pa.
Hilliard, Vevia .....	West Sunbury, Pa.
Holmes, Sadie W. ....	Wylandville, Pa.
Horning, Jeanette .....	DuBois, Pa.
Horning, Mary .....	DuBois, Pa.
Hughes, D. L. ....	Tioga, Pa.
Hughes, Margaret .....	Jamestown, Pa.
Jackson, Iva .....	Apollo, Pa.
Jaycox, Grace M. ....	Sheffield, Pa.
Johns, Esther .....	Murraysville, Pa.
Johnson, Blanche .....	Kane, Pa.
Johnson, Etta .....	Carnegie, Pa.
Jury, Lillian .....	Clearfield, Pa.
Kidder, Norine .....	Smithport, Pa.
Kinch, Freda .....	Eau Claire, Pa.
Knarr, Malinda .....	DuBois, Pa.
Lander, Blanche .....	Penn Station, Pa.
Leech, Margaret .....	Reynoldsville, Pa.
Leibold, Mary .....	Johnstown, Pa.
Liggett, Marie .....	Huff, Pa.
Lipsic, Elizabeth .....	Desire, Pa.
London, Cora .....	Punxsutawney, Pa.
Long, Clara .....	Phillipsburg, Pa.
Love, Laura .....	Turtle Creek, Pa.
Lovell, Maida .....	Port Allegheny, Pa.
Lupher, Ilda .....	Meadville, Pa.
Lyons, Grace .....	Industry, Pa.
McCabe, Georgiana .....	Conneautville, Pa.
McClelland, Helen J. ....	Finleyville, Pa.
McClelland, Rena B. ....	Uniontown, Pa.
McClure, Georgine .....	Jackson Center, Pa.
McCracken, Henrietta .....	Pardoe, Pa.
McCready, Adelaide .....	Ridgway, Pa.
McCullough, Ruby .....	Kittanning, Pa.
McDaniel, Asenath .....	Kennerdell, Pa.
McGarey, Pearl .....	Grove City, Pa.
McKee, Wilda .....	Big Run, Pa.
McKinley, Jean .....	Franklin, Pa.
McLean, Twyla .....	Aspinwall, Pa.
McRoberts, May .....	New Kensington, Pa.
McTighe, Mary L. ....	Scranton, Pa.
Markel, Dorothy .....	Evans City, Pa.
Maund, Margaret .....	McKeesport, Pa.

Meegan, Rose .....	Leisenring, Pa.
Minson George .....	Somerset, Pa.
Mehrten, Ruth .....	Knox, Pa.
Meyer, Anna .....	St. Marys, Pa.
Miller, Mrs. Ethel .....	Oswago, Pa.
Miller, Pauline .....	Johnstown, Pa.
Miller, Mrs. Ruby .....	Rockwood, Pa.
Minnick, Hazel .....	Johnsonburg, Pa.
Mitchell, Flora .....	Latrobe, Pa.
Mitchell, Leona .....	Eau Claire, Pa.
Mitchell, Mary .....	Avonmore, Pa.
Moore, Violet .....	Saltsburg, Pa.
Moreland, Lily M. ....	Jamestown, Pa.
Morley, Susie .....	Gold, Pa.
Mortland, Bessie .....	Rixford, Pa.
Mortland, Esther .....	Rixford, Pa.
Moyer, Evelyn .....	Greenville, Pa.
Mullen, Rose W. ....	Portage, Pa.
Nast, Edna .....	Butler, Pa.
Neyman, Mary .....	Grove City, Pa.
Nichols, Mary .....	Burgettstown, Pa.
Noble, Ada .....	Johnstown, Pa.
Offutt, Elizabeth .....	Volant, Pa.
Orr, Iola .....	Fredonia, Pa.
Paden, Bessie .....	Sandy Lake, Pa.
Peden, Marie .....	Sandy Lake, Pa.
Page, W. B. ....	Conneaut Lake, Pa.
Pattison, Mary .....	New Castle, Pa.
Patten, Nina .....	Pleasantville, Pa.
Peck, Leta .....	Conneaut, Ohio
Pierce, Helen C. ....	Monongahela, Pa.
Pistner, Mary .....	Wilcox, Pa.
Plyler, Nellie .....	Brookville, Pa.
Porter, Bessie .....	Mercer, Pa.
Postlewaite, Cora .....	South Fork, Pa.
Power, Lina .....	Conneautville, Pa.
Prowitt, Elizabeth .....	Washington, Pa.
Pytcher, Annabel .....	Ormsby, Pa.
Ralston, Inez .....	Hartstown, Pa.
Ramsey, Bertha .....	Rochester, Pa.
Raney, Guy .....	Enon Valley, Pa.
Rathmel, Nellie .....	Pitcairn, Pa.
Reckard, Carrie .....	Clifton Mills, W. Va.
Reckard, Margaret .....	Clifton Mills, W. Va.
Renninger, Lotta .....	Franklin, Pa.
Rhodes, Ethel .....	Natrona, Pa.
Ripple, Lorena .....	Costello, Pa.
Robbins, Gladys .....	Ulysses, Pa.
Roberts, Blanche .....	New Salem, Pa.
Roberts, Louisa .....	New Salem, Pa.
Robinson, Marigold .....	Linesville, Pa.
Rockefeller, Abbie .....	Smithport, Pa.
Rose, Margaret .....	N. Girard, Pa.
Ross, Ava .....	Guys Mills, Pa.
Russell, Mary .....	Fredonia, Pa.
Sampson, Helen .....	Monongahela, Pa.
Sann, Anna .....	Johnstown, Pa.
Schramm, Ethel .....	Elklick, Pa.
Schreiber, Josephine .....	Kersey, Pa.
Schuler, Mildred .....	Mercer, Pa.



Shaffer, Jessie .....	Uniontown, Pa.
Shober, Etta .....	Garrett, Pa.
Shockey, Amy .....	Apollo, Pa.
Singleton, Etta .....	Tarentum, Pa.
Slade, Gertrude .....	Hazelhurst, Pa.
Smeal, Rosalie .....	New Salem, Pa.
Smiley, Isabelle .....	Butler, Pa.
Smith, Claribel .....	Corsica, Pa.
Smith, Elma .....	Raymilton, Pa.
Smith, Grace K. ....	Emlenton, Pa.
Smith, Grace S. ....	Glenhazel, Pa.
Smith, Ruth .....	Punxsutawney, Pa.
Smith, Ruth E. ....	New Castle, Pa.
Smith, Lurena .....	Smithport, Pa.
Spratley, Ada .....	Rochester, Pa.
Stanley, Jane .....	Butler, Pa.
Stoples, Gladys .....	Evans City, Pa.
Steele, Grace .....	Apollo, Pa.
Steffey, Maizie .....	Livermore, Pa.
Stratton, Pauline .....	DuBois, Pa.
Struther, May .....	Mercer, Pa.
Sundstrum, Alice .....	McKeesport, Pa.
Suttle, Ruth .....	Cranesville, Pa.
Swanson, Jennie .....	DuBois, Pa.
Swearinger, Jennie V. ....	Hookstown, Pa.
Thomas, Mabel, D. ....	Canton, Pa.
Thompson, Lena .....	Mercer, Pa.
Thompson, Margaret .....	Wilcox, Pa.
Thompson, Rebecca .....	New Alexandria, Pa.
Tidball, Mary .....	McKees Rocks, Pa.
Truran, Oliveen .....	Grove City, Pa.
Vandivort, Theodora .....	New Castle, Pa.
Van Tine, Lena .....	Pittsburg, Pa.
Varner, Emma .....	Johnstown, Pa.
Vincent, Mae .....	Polk, Pa.
Vogel, Gladys .....	Johnstown, Pa.
Wagner, Louise .....	North East, Pa.
Walker, Gayle .....	Amity, Pa.
Warfel, Ethel .....	Expedite, Pa.
Wainick, Blanche .....	Reynoldsville, Pa.
Weber, Eleanor .....	DuBois, Pa.
Weisberg, Anna .....	Johnstown, Pa.
Wells, Adelaide .....	Glen Hazel, Pa.
Werner, Clara .....	McKeesport, Pa.
Wertner, Callista .....	Patton, Pa.
Weston, Ethel .....	Canonsburg, Pa.
White, Gertrude .....	Kinzua, Pa.
Whitney, Mary E. ....	Greenville, Pa.
Wick, Hazel .....	Euclid, Pa.
Wilcox, Mildred .....	Crosby, Pa.
Wilcox, Velma .....	Crosby, Pa.
Williams, Alice .....	Washington, Pa.
Williams, Margaret .....	Mercer, Pa.
Wissinger, Bessie .....	Conemaugh, Pa.
Yeager, Tressa .....	Stoneboro, Pa.
Young, Jean .....	Pitcairn, Pa.
Yount, Irene .....	Midland, Pa.
Zane, Almira .....	Conemaugh, Pa.
Zeigler, Estella .....	Butler, Pa.
Zook, Mabel .....	Johnstown, Pa.

Total, 285; Men, 9; Women, 276.



# CONSERVATORY OF MUSIC

## GRADUATES (FULL COURSE STUDENTS)

### Vocal Teachers Course and Church Soloist

Hach, Pearl .....Shippensville, Pa.

### Piano Teachers Course--Teaching Beginning Grade

Thompson, Jessie .....Grove City, Pa.

### Teaching Beginning and Middle Grade

Phipps, Artie .....Clintonville, Pa.

Reed, Ethel .....Grove City, Pa.

Thompson, Dorothy .....South Heights, Pa.

### Teaching Beginning, Middle and Low Advanced Grade

Allison, Mary .....Grove City, Pa.

## UNDERGRADUATES

### Piano

Blair, Hazel .....Clintonville, Pa.

Boyd Monfred .....Cherry Valley, Pa.

Caldwell, Agnes .....Grove City, Pa.

Cline, Catherine .....Munhall, Pa.

Clark, Grace .....Simons, Ohio.

Dible, Florence .....Grove City, Pa.

Eisaman, Ethel .....Latrobe, Pa.

Hutchins, Katherine .....Mechanicsville, N. Y.

Hoover, Beatrice .....Mechanicsville, N. Y.

Hoovler, Josephine .....Sandy, Lake, Pa.

Hodge, Pearl .....Grove City, Pa.

McNees, Elizabeth .....N. Washington, Pa.

Martinson, Harriet .....Ridgway, Pa.

Rainey, Elizabeth .....Sharon, Pa.

Ruffing, Marie .....Grove City, Pa.

Sankey, Lenore .....Grove City, Pa.

Shilling, George .....Oakland, Pa.

Siar, Blanche .....Brooksville, Pa.

Turner, Gladys .....New Castle, Pa.

Walker, Iradelle .....Worthington, Pa.

Weeter, Lucille .....Sligo, Pa.

Total, 21; Men, 2; Women, 19.

### Vocal

Bonnert, O. G. F. .....Wilcox, Pa.

Burton, John .....Grove City, Pa.

Eisaman, Ethel .....Latrobe, Pa.

Forrester, Margaret .....	Grove City, Pa.
Gilson, William E. ....	Leechburg, Pa.
Gray, Lillian .....	Amity, Pa.
Hodge, Margaret .....	Grove City, Pa.
Hoover, Beatrice .....	Mechanicsville, N. Y.
Hoxworth, Norine .....	Canonsburg, Pa.
Kelly, Mrs. H. A. ....	Grove City, Pa.
Keck, Ruth .....	Mercer, Pa.
McNees, Elizabeth .....	North Washington, Pa.
Sankey, Lenore .....	Grove City, Pa.
Sammons, W. Dana .....	Wattsburg, Pa.
Siar, Blanche .....	Brookville, Pa.
Shilling, George .....	Oakland, Pa.
Turner, Gladys .....	New Castle, Pa.
Walker, Iradelle .....	Worthington, Pa.
Weeter, Lucille .....	Sligo, Pa.

### Organ

Conrad, Sara .....	Grove City, Pa.
Hoover, Horace .....	Mechanicsville, N. Y.
McCoy, Margaret .....	Grove City, Pa.
Mitchell, J. G. ....	Williamsport, Pa.
Phipps, Artie .....	Clintonville, Pa.

### Violin

Bueno, Santiago .....	Palma Soriano, Cuba.
Pettis, Ruth .....	Cranesville, Pa.

### Harmony

Allison, Mary .....	Grove City, Pa.
Eisaman, Ethel .....	Latrobe, Pa.
Gilson, William E. ....	Leechburg, Pa.
Hach, Pearl .....	Shippensburg, Pa.
Hodge, Pearl .....	Grove City, Pa.
Hoover, Beatrice .....	Mechanicsville, N. Y.
Hutchins, Katherine .....	Mechanicsville, N. Y.
McNees, Elizabeth .....	North Washington, Pa.
Pettis, Ruth .....	Cranesville, Pa.
Phipps, Artie .....	Clintonville, Pa.
Reed, Ethel .....	Grove City, Pa.
Ruffing, Marie .....	Grove City, Pa.
Thompson, Dorothy .....	South Heights, Pa.
Turner, Gladys .....	New Castle, Pa.
Walker, Iradelle .....	Worthington, Pa.
Weeter, Lucille .....	Sligo, Pa.

### Elements of Music

Dible, Florence .....	Grove City, Pa.
Gilson, William E. ....	Leechburg, Pa.
Hoover, Beatrice .....	Mechanicsville, N. Y.
Pettis, Ruth .....	Cranesville, Pa.
Sankey, Lenore .....	Grove City, Pa.
Weeter, Lucille .....	Sligo, Pa.

## INTERMEDIATE DEPARTMENT

## Piano

Atwell, Bernice .....	Grove City, Pa.
Castle, Lucille .....	Grove City, Pa.
Castle, Mary .....	Grove City, Pa.
Cleeland, Mertie .....	Grove City, Pa.
Double, Ella .....	Grove City, Pa.
Elder, Victor .....	Grove City, Pa.
Emery, James .....	Grove City, Pa.
Kelly, Arthur .....	Grove City, Pa.
McKay, Frances .....	Grove City, Pa.
McCoy, Robert .....	Grove City, Pa.
Martin, Lila .....	Grove City, Pa.
Monroe, Bernice .....	Grove City, Pa.
Orr, Mabel .....	Grove City, Pa.
Post, Myra .....	Grove City, Pa.
Ray, S. ....	Grove City, Pa.
Ray, Thelma .....	Grove City, Pa.
Reed, Charlotte .....	Grove City, Pa.
Rhodes, Mildred .....	Grove City, Pa.
Stewart, Anna .....	Grove City, Pa.
Vincent, Leola .....	Grove City, Pa.

## Violin

Alexander, Hodge .....	Grove City, Pa.
Allen, Dorothy .....	Grove City, Pa.
Allison, Ruth .....	Grove City, Pa.
Baker, Emma .....	Grove City, Pa.
Bashline, Wayne .....	Grove City, Pa.
Beatty, Marie .....	Hilliard, Pa.
Bovard, Esther .....	Keister, Pa.
Buchanan, Robert .....	Grove City, Pa.
Bueno, Santiago .....	Santiago, Cuba.
Briggs, Arthur .....	Grove City, Pa.
Campbell, Donald .....	Grove City, Pa.
Coast, Edna .....	Grove City, Pa.
Craig, Joe .....	Claytonia, Pa.
Craig, Pauline .....	Grove City, Pa.
Daugherty, Harold .....	Grove City, Pa.
Davis, Celia .....	Grove City, Pa.
Donaldson, Alberta .....	Grove City, Pa.
Eakin, Helen .....	Grove City, Pa.
Emery, Wallace .....	Grove City, Pa.
Galloway, Betty .....	Pardoe, Pa.
Gilmore, Charles .....	Grove City, Pa.
Jamison, Virginia .....	Grove City, Pa.
Monroe, Mac .....	Grove City, Pa.
Mulqueen, Lillian .....	Grove City, Pa.
McBride, Frances .....	Grove City, Pa.
McConkey, Marian .....	Grove City, Pa.
McCrea, Nellie .....	Mercer, Pa.
McGinty, Donald .....	Grove City, Pa.
Pearson, Jay .....	Grove City, Pa.
Pettis, Ruth .....	Cranesville, Pa.
Purvis, Russell .....	Grove City, Pa.
Robbins, Glenna .....	Grove City, Pa.
Robinson, Winsome .....	Grove City, Pa.
Schaeffer, Alice .....	Grove City, Pa.

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Scott, Virginia .....	Grove City, Pa.
Shelley, David .....	Grove City, Pa.
Stinedurf, Frances .....	Grove City, Pa.
Swearingen, Miller .....	Grove City, Pa.
Wick, Martha .....	Hallston, Pa.
Wick, Ruth .....	Hallston, Pa.
Wilson, George .....	Grove City, Pa.
Wilson, Thelma .....	Grove City, Pa.

## MODEL DEPARTMENT

Allison, Elinor .....	Grove City, Pa.
Double, Eila .....	Grove City, Pa.
Fresh, William .....	Grove City, Pa.
Hewlett, Frances .....	Grove City, Pa.
Lewis, Isabelle .....	Grove City, Pa.
McCurdy, Geraldine .....	Grove City, Pa.
Myers, Janet.....	Grove City, Pa.
Purvis, Francis .....	Grove City, Pa.
Purvis, Julian .....	Grove City, Pa.
Robinson, Ruth .....	Grove City, Pa.
Smith, Glendon .....	Grove City, Pa.
Smith, Delphine .....	Grove City, Pa.
Snyder, Bessie .....	Grove City, Pa.
Turner, Elizabeth .....	Grove City, Pa.
Vanderlin, Grace .....	Grove City, Pa.
Van Horn, Lucille .....	Grove City, Pa.

## OLD COMMERCIAL DEPARTMENT GRADUATES

Alcorn Mollie .....	Titusville, Pa.
Bishop, Sara .....	Pittsburgh, Pa.
McBurney, Florence .....	Grove City, Pa.
Smith, Dorothy .....	Grove City, Pa.

## ART

Deal, Marian .....	Grove City, Pa.
Deal, Nancy .....	Grove City, Pa.
Hosack, Ora .....	Grove City, Pa.
Kahle, Kathleen .....	Knox, Pa.
Turner, Mrs. J. Lambert .....	Grove City, Pa.
Whieldon, Lucille .....	Grove City, Pa.



## SUMMARY

## COLLEGIATE DEPARTMENT

	Men	Women	Total
Graduates June, 1918 .....	8	21	29
Post Graduates .....		1	1
Seniors .....	5	16	21
Qualifying Seniors .....	7	10	17
Juniors .....	12	17	29
Sophomores .....	28	24	52
Freshmen .....	30	14	44
Sub-Freshmen and Special .....	27	26	53

## SECRETARIAL DEPARTMENT

First Year .....	10	17	27
Second Year .....	2	17	19

## OLD COMMERCIAL DEPARTMENT

Graduates .....		4	4
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## MUSIC DEPARTMENT

Graduates .....		6	6
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## UNDERGRADUATES

Piano .....	2	19	21
Vocal .....	3	16	19
Organ .....	1	4	5
Violin .....	1	1	2
Harmony .....	1	15	16
Elements of Music .....	1	5	6
Model Pupils .....	2	14	16

## INTERMEDIATE DEPARTMENT

Piano .....			20
Violin .....			42

## ART

Graduates .....		2	2
Undergraduates .....		5	5
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Music .....	100
Art .....	121
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Secretarial .....	96
Art .....	123
Typewriting .....	98
Violin, courses .....	111
Vocal, courses .....	114
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